



**2018-2019
University Catalog**

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Disclaimer:

Programs and courses are under constant review. This catalog is a source of general information and does not constitute an irrevocable contract between Baldwin Wallace University and any individual person. The University reserves the right to make necessary changes to the provisions and policies of this catalog at any time. All such changes are effective at such time as determined by the University and may apply to all prospective and matriculated students.

About Baldwin Wallace University

Founded in 1845, Baldwin Wallace was among the first colleges to admit students without regard to race or gender. That spirit of inclusiveness and innovation continues today. The academic program, rooted in the liberal arts, yet balanced by abundant opportunities for career exploration and application, is designed to prepare students to make a living...and a life *worth* living. Affiliated with the United Methodist Church, Baldwin Wallace University is an independent, coeducational University located in Berea, Ohio, a suburb southwest of Cleveland. Today, the University serves approximately 3100 full-time undergraduates, 300 part-time students in evening and weekend programs and over 600 graduate students.

The University maintains more than 50 academic programs within the following eight schools: business administration, education, health and physical education, health science, humanities, Conservatory of Music, science and mathematics, and social sciences.

Non-Discriminatory Policy

Baldwin Wallace University does not discriminate because of race, creed, age, disabilities, national origin, gender or sexual orientation in the administration of its policies or programs.

Statement of Mission of Baldwin Wallace University

Baldwin Wallace University is an academic community committed to the liberal arts and sciences as the foundation for lifelong learning.

The University fulfills this mission through a rigorous academic program that is characterized by excellence in teaching and learning within a challenging, supportive environment that enhances students' intellectual and spiritual growth.

Baldwin Wallace assists students in their preparation to become contributing, compassionate citizens of an increasingly global society and encourages their pursuit of personal and professional excellence.

Statement of Church Relatedness

Baldwin Wallace University values its historic relationship and active affiliation with the United Methodist Church. The University provides a supportive environment enhancing all students' intellectual, moral, and spiritual growth. The University respects the diversity of individual religious beliefs, including those who profess no religious viewpoint. All members of the University community are encouraged to participate in activities related to spiritual growth and development. The University is deeply committed to the open pursuit of knowledge and stresses such values as integrity, honesty, justice, compassion, and spiritual growth as integral to that pursuit. Further, the University recognizes the vital connection between faith, knowledge, and service and offers a variety of means to develop and strengthen those connections for members of the University community. As a United Methodist related school, Baldwin Wallace University prepares students for lives of informed and mature leadership as global citizens in a diverse world.

Division III Athletic Philosophy Statement

Athletic Department Vision

To provide our student athletes with exceptional opportunities to learn and grow through intercollegiate athletics as part of their learning experience and to strive to achieve excellence in individual and team athletic performance at the conference, regional, and national level.

Athletic Department Mission Statement

The Intercollegiate Athletic Department is committed to the vision and mission of Baldwin Wallace University in which a student's athletic activities are conducted as an integral part of the total educational experience. Intercollegiate

athletics provide a unique learning environment for developing and teaching teamwork, patience, persistence, service to others, respect for authority, ethics, leadership, commitment, and a strong work ethic.

Guiding Principles:

- Expect and support student athlete academic success
- Value cultural diversity and gender equity
- Conduct and represent all programs and Baldwin Wallace University with sportsmanship, integrity, and professionalism.
- Follow all rules and regulations established by the University, OAC, and NCAA
- Since the student athlete participation is conducted as an integral part of the total educational experience, the purpose of the intercollegiate athletic program is therefore no different than that of any academic program; to achieve the highest possible standard of excellence.

To achieve this end, Baldwin Wallace University

- a. places special importance on the impact of athletics on the participants rather than on the spectators and greater emphasis on the internal constituency (students, alumni, institutional personnel) than on the general public and its entertainment needs;
- b. awards no athletically related financial aid to any student;
- c. assures that athletics participants are treated no differently than any other member of the student body;
- d. assures that athletics programs support the institution's educational mission by financing, staffing, and controlling the programs through the same general procedures as other departments of the institution;
- e. provides equitable athletics opportunities for males and females and gives equal emphasis to men and women's sports.

Accreditation

Baldwin Wallace University is accredited by The Higher Learning Commission, a commission of the North Central Association of Colleges and Schools. The address, telephone number and website for this accrediting body is 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1413; info@hlcommission.org; www.ncahigherlearningcommission.org.

In addition, the University is on the approved lists of the American Chemical Society, University Senate of the United Methodist Church, Ohio College Association and the American Association of University Women. It was approved by the Association of American Universities in 1931, and its credits are accepted wherever American college work is recognized. Baldwin Wallace is a member of the Association of American Colleges and Universities, the American Council on Education, the Association to advance Collegiate Schools of Business, and are members of the Association of Colleges of Teacher Education.

The undergraduate programs in music also are accredited by the National Association of Schools of Music, the National Association of Music Therapy and in elementary, secondary and all-grades education by the National Council for Accreditation of Teacher Education (NCATE)/Council for the Accreditation of Educator Preparation (CAEP). The University is approved for teacher education in the following areas: Early Childhood Education (pre-kindergarten-grade 3); Middle Childhood Education (grades 4-9); Adolescent Young Adult (grades 7-12) in Integrated Language Arts, Integrated Mathematics, Integrated Science, Integrated Social Studies, Life Sciences, and Physical Sciences; Multi-Age Education (prekindergarten-grade 12) in Foreign Languages (French, German, or Spanish), Health, Music, Physical Education, or Visual Arts, Intervention Specialist: Mild/Moderate Educational Needs (kindergarten-grade 12); and endorsements in K-12 Reading and Computer Technology and school leadership license. Because of the fluctuating requirements for licensure to teach in the various states, it is recommended that candidates for licensure check with departments of education in the states in which they intend to teach. This will give them the opportunity to schedule required courses wherever possible.

The Accelerated Bachelor of Science in Nursing (ABSN) Program holds Full Operating Approval from the Ohio Board of Nursing (OBN) and is accredited by the Commission on Collegiate Nursing Education (CCNE). The ABSN Program is also a member of the American Association of Colleges of Nursing (AACN).

The Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) has granted Accreditation-Provisional to the Baldwin Wallace University Physician Assistant Program.

The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

2018-19 Majors, Minors and Other Undergraduate Academic Programs

MAJORS

Art: Studio Art
Arts Management & Entrepreneurship
Biology
Business:
 Accounting*
 Business Administration*
 Finance*
 Health Care Management*
 Human Resource Management*
 International Business
 Management*
 Marketing*
 Organizational Leadership (only A&CE)*
Chemistry
Communication:
 Applied Communication Studies (only A&CE)*
 Broadcasting & Mass Communication
 Communication Studies
 Film Studies
 Public Relations
Communication Sciences & Disorders
Computer Network & Security Analyst
Computer Science
Criminal Justice
Digital Media & Design:
 Graphic Design
 Interactive Design
Economics:
 Economics
 Mathematical Economics
Education:*
 Early Childhood (PreK-3)
 Middle Childhood (4-9) (students must select two out of the following four content areas: mathematics; science; reading/language arts; social studies.)
 Mild/Moderate Educational Needs (K-12)
English:*
 English
 Creative Writing
Environmental Science
Foreign Languages & Literatures:
 French
 German
 Spanish
Health & Physical Education:
 Athletic Training
 Exercise Science
 Health Coaching & Health Promotion
 Health & Physical Education Teacher Education
 Pre-Physical Therapy
 Sport Management
History*
Industrial & Organizational Psychology#
International Studies
Mathematics:
 Applied Mathematics
 Mathematics

Music:
 Composition
 Music History & Literature
 Music Theatre
 Music Theory
 Music Therapy
 Performance
 Music Education (BME)
 Music in Liberal Arts (BA)
 Academic
 Applied
National Security
Neuroscience
Nursing*
Philosophy
Physics:
 Engineering
 Physics
 Physics-Based Engineering Areas
 Chemistry-Based Engineering Areas
Political Science
Psychology*
Public Health
Public History
Public & Nonprofit Management
Religion
Sociology*
Software Engineering
Sustainability:
 Business Administration
 Humanities & Social Science
 Quantitative
 Sciences
Theatre:
 Acting
 Acting & Directing
 Dance/Movement
 Design & Technical
 Stage Management

MINORS

Africana Studies
Art
 History of Art
 Studio Art
Arts Management
Asian Studies
Biology
Business:
 Accounting*
 Business Administration*
 Entrepreneurship
 Finance*
 Health Care Management
 Human Resource Management*
 International Business
 Management *
 Marketing*
Chemistry
Communication:
 Broadcasting & Mass Communication
 Communication Studies*
 Film Studies
 Public Relations*
Communication Sciences & Disorders
Computer Science:
 Computer Information Systems*
 Computer Programming
 Computer Science
 Network Administration
 Software Engineering
 Web Programming
Criminal Justice
Dance
Diversity Studies
Economics
Education (for students seeking licensure in
 Adolescent/Young Adult or Multi-Age Education)**
 Adolescent/Young Adult (7-12)
 Integrated Language Arts
 Integrated Mathematics
 Integrated Science
 Integrated Social Studies
 Life Sciences
 Physical Sciences
Multi-Age (preK-12)
 Foreign Language – French, German or Spanish
 Health
 Music
 Physical Education
 Visual Arts
English:
 Creative Writing
 English
Foreign Languages & Literatures:
 French
 German
 Spanish
Forensic Science
Gender Studies
Geology
Health & Physical Education:
 Athletic Coaching
 Family Studies

Health Coaching & Health Promotion
Nutrition
Recreation
Sports Medicine
History*
International Studies
Latin American Studies
Legal Studies
Mathematics
Middle Eastern & North African Studies
Music:
 Academic
 Applied
National Security
Neuroscience
Philosophy
Physics
Political Communication
Political Science*
Psychology*
Public History
Public & Nonprofit Management
Religion
Sociology*
Statistics
Sustainability
Theatre
Urban Studies

DUAL-DEGREE PROGRAMS

Accounting and MAcc
Computer Information Systems and MBA
Computer Science and MBA
Software Engineering and MBA
Human Resource and MBA
Pre-Engineering (Chemistry- or Physics-
 based), affiliation with:
 Case Western Reserve University
 Columbia University
Pre-Social Work (Psychology- or
 Sociology-based), affiliation with:
 Case Western Reserve University

OTHER PROGRAMS OF CONCENTRATION

Medical Technology
Early Childhood Education Generalist Endorsement
Middle Childhood Education Generalist Endorsement
Pre-Pharmacy
Primary Healthcare Advancement

CERTIFICATE PROGRAMS

English as a Second Language Learner
Human Resource Management
Public History
Sustainability

***Also available to Adult, Transfer & Military Service (evening) students.**

Some programs may require some day classes.

****Does not apply to Music Education licensure.**

#Not offered as a primary major.

Undergraduate Academic Policies and Procedure

Introduction

The general requirements for a bachelor's degree are intended to achieve four major goals:

- an individualized academic program reflecting each student's special needs, interests, and aspirations;
- sufficient work in a variety of academic areas to introduce breadth into the academic program;
- an exploration in depth of at least one area of knowledge;
- a sufficient number of elective hours to enable the student to pursue secondary interests that support and supplement other requirements.

The University attempts to provide an atmosphere in which the student can develop the abilities to think creatively and critically, to make honest and objective judgments, to perceive and utilize patterns of balance between personal needs and the needs of others; and, finally, to work independently in exploring areas of knowledge and growth beyond those studied formally in the classroom. In line with these principles, the academic program undertaken by each student is comprised of the general requirements described in this section, a major in an academic area, a minor in an academic area, an approved experiential learning experience and elective courses the student carefully chooses to pursue special interests.

The student, working with a faculty advisor, is responsible for planning his/her own course of study. While academic advising is a process of communication and information exchange between student and advisor, the ultimate responsibility for program, course selection, and meeting graduation requirements rests with the student.

Degrees

Except those subsequently noted, Baldwin Wallace University grants the degree of **Bachelor of Arts (B.A.)** to students who complete the requirements for graduation. The degree of **Bachelor of Science (B.S.)** is granted to those who have majored in one of the following majors: psychology, mathematics, computer science, computer information systems, communication sciences & disorders, engineering, public health or natural sciences. The degree of **Bachelor of Science in Education (B.S. in Ed.)** is granted to students who major in early childhood education, middle childhood, and mild/moderate educational needs. The degrees of **Bachelor of Music (B.M.)** and **Bachelor of Music Education (B.M.E.)** are granted to those students who complete the respective programs in the Conservatory. The **Bachelor of Science in Nursing (B.S.N.)** is awarded to our nursing graduates. Acting majors earn a **Bachelor of Fine Arts (B.F.A)** degree.

A student who desires two bachelor's degrees must meet the following requirements: (1) The candidate must meet the particular subject requirements for both degrees and the core requirements. (2) An additional 32 credit hours must be completed at Baldwin Wallace beyond the requirements of the first degree. (3) There can be no duplication of departmental major fields. As an example, a student earning a Bachelor of Music degree and a Bachelor of Arts degree cannot elect a major in music for the BA degree. (4) Comprehensive examinations or their equivalent, as required by major departments, must be completed.

For information on graduate degrees offered by Baldwin Wallace University, see Graduate Program Requirements.

The University Core

All undergraduate students at BW pursue a course of study sufficiently varied to acquaint them with a broad spectrum of knowledge and to provide them a strong foundation in core academic skills. The knowledge and skills that students utilize and develop through their core courses are essential to their success in their academic work as well as in their personal and professional lives.

The core requirements include: foundation courses in Mathematics, English Composition, and First-Year Experience (FYE 100); breadth courses in the Humanities, Social Sciences and Natural Sciences; wellness courses in Health and Physical Education; coursework in International Studies; and coursework in Diversity Studies. Each core course provides an opportunity for students to develop their knowledge and skills in at least one of the following areas: effective communication; application of complex thinking skills; human behaviors, cultures, and the natural world; how to contribute to the common good and employ ethical reasoning; behaviors that promote lifelong health and wellness; as well as develop depth in an academic area outside of their major.

Specific area, course and credit requirements for fulfillment of the University core are described in Undergraduate Program Requirements.

Academic Majors and Minors

The Academic Major: Students must complete a major in an academic area, and are encouraged to declare their major by the end of the sophomore year. Students who meet the minimum requirements of the University may major in any course of study offered by the University. Some majors may have special requirements needed for admission into the program.

If the major is in a single academic department, it will include a minimum of 23 semester credits of courses in the department plus additional requirements as stipulated. These may include specific courses, a specified number of credits in excess of 23 semester credit hours, courses in other departments, proficiency examinations, and other appropriate activities such as recitals, exhibitions and student teaching.

Students may complete more than one major providing they meet all of the requirements. A department cannot require a minimum grade point average for a major nor require a student to take more than 53 credits from a single academic department.

Transfer students are required to complete at least 40% in their major field of study at BW. Exceptions may be made by an individual department based on an examination or other appropriate evaluative methods. Some departments require more than 40%.

A self-directed **interdepartmental major** may be arranged in consultation with the heads of the departments concerned. Interdepartmental majors must include coursework from three departments and **a minimum of 36 credit hours, of which 15 must be at the 300-400 level.** Written copies of the agreement specifying the requirements for the interdepartmental major must be signed by the heads of these departments and filed with both the University Registrar and the student's faculty advisor. This request must be made prior to the student's earning 91 semester credits towards a degree at Baldwin Wallace University.

Only four credits of "D" (D+, D, and/or D-) in a major may be counted toward the total number of credits required in a student's major department. If a student exceeds the four-credit rule, the major department will decide if the student should take an additional course(s) beyond the minimum credits required for the major or repeat the course(s) graded "D." If a student is required to repeat a course, the total number of credits required for graduation will be increased.

The Academic Minor: All students* must complete an academic minor. (A second major will also satisfy this requirement.) An academic minor consists of at least 17 semester credits as specified by the department offering the minor. A minimum of six of the 17 credits must be earned at Baldwin Wallace. A student may fulfill the minor requirement in any department or school, as long as the minor selected is not identical to the student's major or is not otherwise prohibited by the department in which the major resides. Consult the section of the catalog that describes the requirements for each major to identify those minors that are not permitted.

*Does not apply to Music majors (other than Music in Liberal Arts) or students pursuing licensure in Early Childhood Education.

A self-directed **interdepartmental minor** may be arranged in consultation with the heads of the departments concerned. Interdepartmental minors must include coursework from two departments and a minimum of 17 credit

hours, of which 9 must be at the 300-400 level. Written copies of the agreement specifying the requirements for the interdepartmental minor must be signed by the heads of these departments and filed with both the University Registrar and the student's faculty advisor. This request must be made prior to the student's earning 91 semester credits towards a degree at Baldwin Wallace University.

Specific major and minor requirements, course descriptions and other programs of study are described in detail in the Undergraduate Program Requirements section of this catalog.

The Experiential Learning Graduation Requirement

Experiential learning is a process through which students develop knowledge, skills, and values from direct experiences. Experiential learning encompasses a variety of activities which already exist as structured experiences within the BW curriculum, including internships, service learning, undergraduate research, study abroad, and other creative coursework and professional experiences within majors and minors.

Learning that is considered "experiential" includes all the following elements:

1. Reflection, critical analysis and synthesis
2. Opportunities for students to take initiative, make decisions, and be accountable for the results
3. Opportunities for students to engage intellectually, creatively, emotionally, socially, or physically
4. A designed learning experience the includes the possibility to learn from natural consequences, mistakes, and successes

The Experiential learning requirement may be met by either completing a pre-approved course or by completing an individually designed experience. Students who choose to complete an individually designed experience will work with a faculty or staff mentor who will approve the experience; help to connect classroom knowledge and out-of-classroom experience; and guide them as they reflect on the experience. Every BW student must complete the Experiential Learning Requirement prior to graduation. Transfer credit will not be accepted to meet the BW experiential learning requirement. <http://www.bw.edu/academics/experiential-learning/>

Grading System

At the completion of a semester's work, students are graded in each subject. Grades given are:

Grade Quality

Points:

A+	4.000	S	Satisfactory hours earned toward degree, equivalent to A, B or C, no quality points
A	4.000	U	Unsatisfactory. No hours earned toward degree, equivalent to C-or below
A-	3.667	I	Incomplete
B+	3.333	W	Withdrawal prior to completion of 60% of the course
B	3.000	WP	Withdrawal passing after completion of 60% of course with registrar's approval
B-	2.667	WX	Withdrawal failing after completion of 60% of course with registrar's approval
C+	2.333	AU	Audit. No credit
C	2.000	NR	Non-reported grade by instructor

C-	1.667	CIP	Courses in progress
D+	1.333	T	Temporary grade for continuing course, work must be validated by subsequent letter grade to count for credit
D	1.000		
D-	0.667	F#	Failure for stop attending a class
F	0.000	*	Grade Forgiveness. First attempt not in GPA
		^	Returning Student Forgiveness. First attempt not in GPA.

Quality points are used in calculating the student's grade point average (GPA). To find the GPA, multiply the number of credit hours in a course by the quality point value of the letter grade (A, four, B, three, etc.); then add the quality points earned for each course and divide by the total number of graded credit hours attempted. Courses graded S, U, I, T, AU, NR, W, WX, and WP are not used in computing GPA.

A GPA Calculator can be found at <https://www.bw.edu/academics/registration-records/gpa-calculators>.

Incomplete Grades

The mark "I" is given only when, through no fault of his/her own, a student is unable to complete the work. It is the responsibility of the student to inform the instructor why he/she is unable to complete the work, and the instructor shall determine whether the mark "I" is justifiable. If the instructor reports the mark "I" to the registrar, justification for this mark must be submitted in writing. Students receiving an "I" Incomplete grade have until the end of week six of the immediate subsequent Fall or Spring semester in which they are enrolled to complete all coursework before they are converted to a grade of "F". All "I" grades will convert to an "F" one calendar year following the completion of the semester in which the "I" grade was given. Extensions to the above deadlines must be submitted in writing by the instructor of the class to the Registrar's Office.

Temporary Grade

The mark "T" is given in courses which are completed over a two- or three-semester period. The "T" indicates that the course work is progressing satisfactorily. A completion date must be stipulated when the instructor submits the "T" grade. Failure to complete work by the established date will result in the grade of "F" being automatically awarded. Work which is given a "T" must be validated by a subsequent letter grade to count for credit.

Non-Reported Grade

The mark "NR" is given when no regular grade is reported by the instructor. The "NR" must be replaced with a regular grade. A letter grade for outstanding NR's must be reported to the Office of Registration and Records no later than the last day of the sixth week of the next term of registration. Unreported NR's by deadline become "F" grades.

Satisfactory/Unsatisfactory Grades

S/U Grading (Pass/Fail) In order to provide students the opportunity to explore a greater variety of academic disciplines outside their major fields and at the same time reduce the stress of competition with majors in these disciplines, Baldwin Wallace has instituted a "satisfactory-unsatisfactory" (S/U) grading system. Performance in a course equivalent to the traditional "A+" through "C" level will be considered satisfactory (S), while a "C-" through "F" level of performance will be deemed unsatisfactory (U). Students earning an "S" grade will receive credit toward graduation for the course. A "U" grade will appear on the student's transcript but will not provide credit toward graduation. S/U grades do not affect the student's grade point average (GPA). The S/U option is designed to operate on two levels and may be initiated either by the faculty or by the individual student as stipulated below.

- **Faculty Option:** The S/U option may be used, with the approval of the Curriculum Advisory Board of the University faculty, for those courses in which the department concerned feels that the students taking the course cannot be successfully graded according to the traditional "A+" through "F" system. There is no limit to the number of such courses a student may take.

- **Student Option:** Sophomores, juniors and seniors not on academic probation may also elect a maximum of four credit hours per semester, up to a maximum of 20 credit hours, to be graded on an S/U basis. A student may take any course **except those in his major or minor department, those required by his major or minor department and foundation courses ENG 131 and the core MTH course** on an S/U basis. All other courses, including the general curriculum requirements, may be taken under the S/U option. If a student declares their major as undecided but, at a later date, majors in the department that was taken as a S/U, the professor will be asked to submit a grade and it will be calculated into the GPA. The decision by the student to take a course on this basis must be declared to the registrar by the last day of the fourth week of the term. The student may, within the same period, nullify the election of this option. Students being graded under the S/U option must fulfill all requirements of the course.

Repeated Courses and Grades

Any course in which a grade of "C-" through "F" is received may be repeated; credit toward the degree (hours earned) may be received only once. However, the hours and quality points represented by each attempt will be included in the grade point average (GPA). See Grade Forgiveness Policy for an alternative option available to undergraduate students. See Returning Student Grade Forgiveness Policy for an alternative option for students who have not attended for a minimum of 5 years.

Audit Credit

Grades are not given for non-credit (audit) work. A student who desires a grade in a course must take it for credit. Courses are offered for credit or audit. A student taking a course on an audit basis will agree with the course instructor to participate in certain aspects of the course (often this is class attendance). If this agreement is fulfilled, the course instructor will authorize the registrar to indicate on the student's transcript that the course was taken on an audit basis. If the agreement is not fulfilled, a grade of "W" will appear on the transcript. Changes from audit to credit may not be made after the first week of the semester.

Grade Forgiveness Policy

All undergraduate students can retake a course only once and the new grade replaces the previous grade in their GPA calculation. While both grades would still appear on a university transcript, the first grade would not count toward the GPA and would be designated as such. The total number of forgiveness credit hours (attempted a second time) shall not exceed 10 and may only apply toward 300 or lower level courses. Student credits forgiven under the old Freshman Forgiveness Policy will count toward the maximum 10 credits in this policy.

Returning Student Grade Forgiveness Policy

A student returning to Baldwin Wallace University can request to benefit from the Returning Student Grade Forgiveness Policy. Under that policy, the student's grade point average (GPA) does not include the grades earned in prior attempts at Baldwin Wallace University.

The following requirements apply:

1. The returning student must have been separated from Baldwin Wallace University for a minimum of five years.
2. The returning student must have either
 - a. Demonstrated academic improvement at another two- or four-year accredited institution by earning a minimum GPA of 2.75 for a minimum of 12 credit hours.
 - or
 - b. Earned a GPA of 2.75* upon completion of 12 credit hours after being re-admitted to Baldwin Wallace University.
(*Candidates for licensure must meet the required GPA as stipulated by their school of study.)
3. After re-admission, the student must earn the minimum number of credits required by the residency requirements of the University.

4. All grades previously earned at Baldwin Wallace University will remain on the student's transcript, whether passing or failing, but will be marked with a code ^ explaining that these grades have been "forgiven" and were not used to calculate the student's cumulative GPA.
5. Only those courses in which the student earned a non-failing grade will be counted toward graduation.

Graduation Requirements

It is the responsibility of the student to meet all requirements for graduation. Students are eligible for the bachelor's degree when they have fulfilled the following requirements:

1. They must have completed at least 124 semester credit hours or the minimum designated credit amount of their degree program. These credits must include the requirements for a major and a minor in an academic area, in addition to the general core curriculum requirements and completion of an approved Experiential Learning Requirement.
2. Students must have at least a 2.00 grade point average.
3. All financial obligations to the University must have been met.
4. Students are required to complete 45 of the required credits for graduation at BW.
5. Students must successfully complete the comprehensive examinations if required by the major department.
6. Students must participate in any assessment activities for which they have been selected unless they have been excused by the Assessment Director.
7. Students must file an application for graduation no later than the beginning of the semester preceding the one in which they expect to graduate. Applications are available on the Registration & Records Web Site.
8. Graduating seniors are expected to attend the Commencement exercises.

Graduation with Honors

Honors are based on all undergraduate work at Baldwin Wallace. Candidates for academic honors at the end of the senior year are recognized at Commencement. Eligibility is determined by the completion of at least 124 credit hours of study with the following minimum grade point averages:

For a degree *cum laude* 3.60

For a degree *magna cum laude* 3.75

For a degree *summa cum laude* 3.90

In order to receive a diploma with academic honors, a student must have completed at least 45 of the 124 credit hours at Baldwin Wallace in courses graded A+ through F.

Transfer students are eligible to graduate with honors provided their grade point average earned at Baldwin Wallace meets the stated minimum requirements.

Dean's List

Degree-seeking undergraduate students with superior academic standing are recognized each semester by the Dean. Any full-time student who achieves a GPA of at least 3.6 for twelve or more graded hours (not including grades of S), or part-time student who achieves a GPA of at least 3.6 for six or more graded hours (not including grades of S), in the Fall or Spring semester will be placed on the Dean's List. To be eligible for the Dean's List, no student may have a grade of U (unsatisfactory), I (incomplete), NR (non-reported), or WX (withdraw failing) as of the day final grades are due in the Registrar's Office.

Alpha Lambda Delta

Alpha Lambda Delta is the national Freshman Honor Society for students who have maintained a 3.6 or higher GPA and who are in the top 20% of their class during their first year (minimum of 24 credits), who are in good standing at the University, and who are full-time first-semester sophomores at Baldwin Wallace University. The University supports its students in achieving the highest level of scholarship and is proud to honor the members of Alpha Lambda Delta Honor Society. Questions about ALD may be directed to the Honors Program.

Alpha Sigma Lambda

Alpha Sigma Lambda is the premier national honor society for non-traditional students. The local chapter, Beta Upsilon, is one of more than 300 throughout the country. It sponsors campus scholarships open to all qualifying undergraduate adult, transfer, and military students. Membership selection occurs once a year. Members are selected from the highest 20 percent of eligible students who have a minimum 3.2 GPA, 24 graded hours at Baldwin Wallace and are matriculated in an undergraduate degree program.

Dayton C. Miller Gold Key Society

The Dayton C. Miller Honor Society was founded at Baldwin Wallace University in 1948 and recognizes the top 100 current student GPA's. This ceremony is in memory of Dayton C. Miller (Class of 1886), one of the most distinguished graduates of the University. Dr. Miller was noted for his research into the science of acoustics and for his unique collection of flutes, currently held by the Smithsonian. He served as secretary and later president of the Baldwin Wallace University Board of Trustees, and he was active in the University community until his death in 1941.

Requirements for induction: Must have earned a minimum of 70 semester hours with minimum of 45 semester hours at BW. From that, the top 100 current student GPA's are eligible if they are not already a member.

2018-19 Academic Calendar

The Academic Calendar for the 2018–19 school year can be found at <http://www.bw.edu/academics/registration-records/academic-calendar/index>.

Academic Assessment Program

As stated in the University mission, Baldwin Wallace University strives to provide a rigorous academic program characterized by excellence in teaching and learning within a challenging and supportive environment that enhances students' intellectual and spiritual growth. Toward that end, and consistent with accreditation standards, Baldwin Wallace University has developed a comprehensive plan to assess student academic outcomes. By determining what Baldwin Wallace students learn, the University seeks to continuously monitor and improve the quality of its academic program (pedagogy, curriculum, instructional resources and student services). Baldwin Wallace's Assessment Plan focuses on measuring academic outcomes (performance) at appropriate points during students' University careers. To this end, students are assessed at both the core curriculum level, which may occur at the institutional or program level, and at the program (academic major) level. From these data, the University produces aggregate and group level comparisons of student performance over time. While not all students will be asked to participate in core curriculum assessment at the institutional level, it is possible that a student may be selected more than once (for example, during their freshman and senior year). When a student is selected to participate in an institutional core assessment activity, participation is required; failure to participate may affect registration and/or graduation eligibility. It is important to note that when a student does participate in these University-wide core assessment activities, in no way will the student's performance affect a course grade, graduation eligibility, class rank or overall grade point average. Program-level academic major assessment activities may or may not impact student grades, at the discretion of individual departments.

In addition to the assessments described above, students are asked to voluntarily participate in national surveys at different points in their academic careers to assess their engagement and satisfaction with various aspects of their experience at the University.

Undergraduate Academic Opportunities

In addition to established courses and programs of study that fulfill requirements for the University core, majors, minors, and electives, the following credit opportunities are available to undergraduates at Baldwin Wallace.

Advanced Placement Program

Advanced Placement (AP) examination scores prepared by the College Entrance Examination Board in the following subjects will be considered for credit at Baldwin Wallace: history of art, studio art, biology, chemistry, computer science, economics, environmental science, literature and english composition, foreign languages, geography, government and politics, history, mathematics, music, physics, and psychology.

Baldwin Wallace University recognizes the merits of the Advanced Placement Program and awards credit as appropriate. Students who present a score of 3, 4 or 5 in the Advanced Placement Program examination may be awarded credit, with placement and course equivalents determined by the academic department.

<http://www.bw.edu/academics/registration-records/advanced-placement/index>

The program is administered by the Registrar who processes credit awards and notifies students concerning application of credit and placement.

International Baccalaureate Program

Baldwin Wallace University recognizes the merit of the International Baccalaureate and awards credit as appropriate for higher level examinations on which the student scores a 5, 6, or 7. Subjects that may be considered for credit upon approval of the appropriate academic department are: English Composition, Foreign Language, Biology, Chemistry, History, Mathematics, Physics and Psychology. <http://www.bw.edu/academics/registration-records/international-baccalaureate/>

The College Level Examination Program (CLEP)

The College Level Examination Program, an activity of the College Board, makes examinations available through which a student may receive credit toward the bachelor's degree. Two types of examinations are offered: general examinations (humanities, natural sciences and social sciences) and a number of subject examinations ranging from American Government through Western Civilization. Baldwin Wallace University is a CLEP Test Center.

The faculty of the University recognizes the merits of CLEP and is prepared to make the following awards to those students who qualify:

1. In order to qualify for credit in any of the examinations offered in CLEP, the student must meet each of the following requirements:
 - a. The student may not receive credit for a general examination if he/she has already earned University credit in more than one discipline covered by the appropriate general examination.
 - b. The student may not receive credit for a subject examination that covers the same subject area in which the student has already earned University credit.
2. Credits awarded from the CLEP program are considered transfer credit.
3. Further information concerning the details of the various examinations, score requirements, and registration procedures is available on the BW web site at <http://www.bw.edu/academics/registration-records/advanced-placement/index#clep>.

Cambridge International Advanced Level Examination Program

Baldwin Wallace University recognizes Cambridge International Advanced (AS & A) Level programs as college equivalent coursework. AS-Levels are awarded 4 semester credits for grades "a" through "e". A-Levels are awarded 8 semester credits for grades "A*" through "E". No credit is awarded for the General Paper. An official Cambridge certificate and statement of results is required upon matriculation.

Prior Learning Assessment

To participate in Prior Learning Assessment, the student must be approved to enroll in a two credit independent study course, COL 163, which helps students identify University-level learning already acquired, relate it to the curriculum at BW, and develop a portfolio. Regular tuition fees are charged for the course. The student must have completed an English composition course at BW or another educational institution and at least six semester credit hours at BW prior to course entry.

As part of the completion of COL 163, the student develops a portfolio to document University level learning. The portfolio is submitted for faculty and academic department assessment and determination of credits. Fees are charged for assessment of the portfolio and transcription of credit earned.

Departmental Thesis/Project

The Departmental Thesis/Project gives juniors and seniors the opportunity to do intensive work in a particular subject. Students develop their study under the direct supervision of a faculty member as approved by the head of the department or program in which the study will be done. The departmental thesis/project is intended to afford students an opportunity to engage in study of a significant field of knowledge, to carry on original investigation when possible, and to further develop their abilities of self-expression.

Faculty-Student Collaboration Courses

The broad goals of the FSC courses are: (1) to encourage and support faculty-student collaborations as they tackle the unscripted problems typical of research, scholarship and other creative endeavors; and (2) to facilitate deep learning as student-faculty teams examine, create, and share new knowledge or original works.

The Baldwin Wallace University program to encourage **Faculty-Student Collaboration** (FSC) is based in the knowledge that strategies that have proven successful for creative work also enable student learning. Systematic exploration of unscripted problems exercises all of the core skills that we wish our students to possess.

<http://www.bw.edu/academics/research/>

Independent Study Program

Independent study is designed to encourage the study of academic topics beyond those included in the course offerings of the University, providing an opportunity for students to explore an area of special interest. Approved independent study proposals may not duplicate a course presently in the curriculum without permission of the department. Independent study is an individualized academic investigation carried out by a student under faculty supervision. Any full-time or part-time student who is sophomore status and has a GPA of 2.00 or better may participate in an approved independent study.

Internship Program

An Internship is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Internships give students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employees the opportunity to guide and evaluate talent. Internships for academic credit are undertaken with faculty supervision to supplement or complement the students' academic programs. Career Services facilitates the process by which students earn academic credit for internships. Students interested in pursuing an internship for academic credit are required to attend an Internship Registration Workshop, and submit their request for credit within the first two weeks of starting the internship. Credit for internships must be registered during the semester that the work is completed. For details please see: <http://www.bw.edu/academics/careers/internships/index>.

Language Across the Curriculum

The Language Across the Curriculum (LAC) program is an exciting curricular option at Baldwin Wallace University that provides students with an excellent opportunity to practice their foreign language skills in non-language courses

and enhance their understanding of course content. Students have the opportunity to read, write, or speak in a foreign language, thereby strengthening their language skills and at the same time enriching their understanding of the course material from the perspective of another culture. Consistent with BW's mission to create "caring, compassionate citizens of an increasingly global society," LAC helps students gain an appreciation of language, an understanding of how other cultures express themselves, and an opportunity to apply their language skills in a practical setting. LAC is designed for students with varying degrees of language proficiency.

Course Assistants (060)

Course Assistants are undergraduate students who work with BW faculty members in the planning and implementation of a class. Students working as course assistants are required to meet all the expectations of the Internship Program in order to receive academic credit.

- Credit for internships as a course assistant is designated under the number 060.
- The faculty member teaching the class in which the student is serving as a course assistant is designated as their "Employer Supervisor."
- Another faculty member will serve as a Faculty Coordinator.
- Course assistantships are graded S/U and require final evaluations to be submitted to Career Services for the grade to be released.

Reserve Office Training Corps (ROTC)

Reserve Office Training Corps (ROTC) programs are available to Baldwin Wallace University students through cooperative arrangements with the Kent State University, for Air Force ROTC and with John Carroll University, for Army ROTC. Each of these universities offers military studies, leadership and training courses. Participating students may seek transfer credit at Baldwin Wallace University for some of these courses. Please contact John Carroll University or Kent State University for more detailed information on their ROTC programs.

Explorations/Study Abroad

The Explorations/Study Abroad Center is part of a larger effort to expand students' learning by linking the curriculum to the world beyond Baldwin Wallace. The University offers study away opportunities in various countries around the globe and across the country. With an increased emphasis on globalization in the marketplace, off-campus study can be an integral part of any student's University education. Whether his/her major is art, economics, or anything in between, studying away provides students with an invaluable learning experience. An Explorations program is not a simple sightseeing tour, but rather a wonderful opportunity that allows students to experience their education in a different setting. Credits and costs for the majority of these programs are comparable to that of a semester at BW. However, studying away fosters the type of personal and professional growth that may be difficult to experience on campus. <http://www.bw.edu/academics/study-abroad/>

Carmel Living Learning Center

Carmel is a living learning community (LLC) which links academic course work and specialized programming within the residence hall. As a Carmel resident, students are presented with many valuable "life" opportunities:

- Meet Peer Mentors who aid students in questions pertaining to majors, classes, clubs, and more
- Cultivate greater awareness of personal beliefs and values
- Explore academic and career goals
- Enhance intercultural knowledge and competence
- Develop a deeper understanding of personal and civic responsibility
- Connect with others in the residential, campus and local communities

Two specific LLC programs are housed in Carmel. Those include the Science-Technology-Engineering-Math (S.T.E.M.) and the Sophomore Year Experience (SYE) communities.

S.T.E.M. (Science-Technology-Engineering-Math) provides students that are in a STEM major a residential setting to live and learn with other students in the STEM majors. Programming such as speakers and dinner discussions with STEM professors are provided by the Residence Life staff. More information about S.T.E.M. can be found at <http://www.bw.edu/academics/stem/>.

Sophomore Year Experience (SYE) provides sophomore students a career preparation and exploration experience. Students enroll in a Career Decision Making course and participate in multiple outlets that will enhance their in and out of classroom experience. Students will conduct informational interviews with professionals in fields of interest, explore experiential learning opportunities such as an internship, undergraduate research or service learning and gain valuable insight in the career(s) that interest them.

Adult, Transfer and Military Services

Baldwin Wallace has been active in adult education programs since 1947 and continues to provide a rigorous curriculum and services designed especially for non-traditional students. Degree-seeking students entering the program will find that course formats accommodate the special time constraints of working adults. Adult and military students receive the added benefit of priority registration. Degree completion and certificates available to adult learners are designed with optimal flexibility and convenience.

Adult, transfer and military students should refer to other sections of the Catalog for more details related to undergraduate degree requirements, special academic opportunities such as field experience and independent study, financial aid, academic support services, credit for prior learning, transfer credit, and admissions.

<http://www.bw.edu/undergraduate-admission/adult/>

Evening and Weekend Class Schedule and Formats

Baldwin Wallace offers courses in the evenings, Monday through Thursday, during Fall, Spring, and Summer terms.

New courses are available for registration every eight weeks during the Fall and Spring terms.

The number and length of meeting times will depend on the course credit and format involved. Evening courses typically begin at 6:15 p.m. Weekend courses meet on Saturday's beginning at 8:15 a.m. or 11:30 a.m.

Minimesters are offered in both evening and weekend formats. Minimesters are accelerated 8-week sessions that require extensive out of class coursework and an advance assignment.

Immersion Courses are typically completed in just one week. Most courses follow a Saturday - Sunday - one weekday or two evenings - Saturday - Sunday format. **Be sure to check the course schedule for exact days, dates and times for class meetings.** In addition, an advance or pre-assignment is required and a post-completion assignment may be due several weeks after the class is over.

Hybrid and Online Courses – Hybrid courses meet in the classroom two or three times during the term, typically on Friday evenings. All other course assignments, group projects and learning activities are completed online or independently by the students, providing a flexible time format for busy individuals. Online courses are completed totally online. In order to participate, each student must have a computer and a reliable, high-speed internet connection. Blackboard, the University's online course management system, will be utilized. Organized and self-disciplined students are encouraged to try the hybrid or online course format. Enrollment is strictly limited.

All of the above course formats require students to register for the class a minimum of 2 business days prior to the first class meeting.

Academic Support Services

Academic Advising

Academic Advising at Baldwin Wallace University is a developmental process of faculty members working with students to strategize, develop, and implement a plan related to students' educational, career and personal goals. Through this interactive relationship, students learn how to utilize resources and tools to make effective, self-directed decisions. While this process is a collaborative effort, the ultimate responsibility for making decisions rests with the individual student.

Academic Advising is available to all students who are admitted to Baldwin Wallace University. Advising for full-time undergraduate day students is provided by faculty and Learning Center specialists and coordinated by the Office of Academic Advising. Students who have declared a major will be advised by faculty in that department or school. Students whose majors are undecided are advised by a faculty member in a department of interest, a faculty member who works with undecided students or by the Office of Academic Advising.

Students should come to the Office of Academic Advising, located in Bonds 102, to add or change their major(s) or minor(s), change their advisors, or receive additional help utilizing their academic program evaluations.

For more information, visit <http://www.bw.edu/academics/student-success/advising/>, call 440-826-2188, or e-mail at advising@bw.edu

Career Services

The Office of Career Services at Baldwin Wallace (BW) University is a comprehensive department that integrates one-on-one career advising, workshops and programs, and web based technologies to educate BW students about the skills necessary to independently manage their careers upon graduation and throughout their lives. Career Services' goal is to encourage, support and advance career and professional development for students in order to facilitate the transition from University to career. We do this by:

- Offering students resources and assessment tools for self-discovery, choosing a major, and career exploration;
- Teaching students resume and cover letter writing, professional networking and job search techniques;
- Presenting students opportunities to connect with alumni for mentoring, job-shadowing, career advice, networking and informational interviews; and
- Connecting students to recruiters through events such as the Graduate School Fair, Career and Internship Expo, the Northeast Ohio Teacher Education Day job fair, Employer Meet & Greets, the BW Career Network by *Handshake*, and through our On Campus Recruiting Program.

For more information about Career Services, visit <http://www.bw.edu/academics/careers/>.

Graduate Study

The University encourages students to continue their formal education in graduate programs. Specific advice and information concerning graduate work may be obtained from the faculty members in the student's major department. The Office of Career Services offers graduate school workshops each semester and extensive resources on graduate programs and admission tests. The University also maintains a library of information in Ritter Library relating to graduate and professional programs, graduate fellowships and graduate scholarships.

Baldwin Wallace offers five graduate degrees, Master of Business Administration (<http://www.bw.edu/graduate/business/mba/>), Master of Arts in Education (<http://www.bw.edu/graduate/education/index>), Master of Medical Science (<http://www.bw.edu/graduate/physician-assistant/>), Master of Science (<http://www.bw.edu/graduate/speech-language-pathology/index>), and Master of Public Health (<http://www.bw.edu/academics/master-public-health/>).

Information Technology

The Department of Information Technology maintains a reliable, secure network and communication infrastructure, while supporting applications, training, and services for the students, faculty, and staff. <http://www.bw.edu/about/offices/information-technology/>

Ritter Library

Ritter Library, located on BW's North Campus, provides extensive informational resources for student and faculty use. Over 1,000,000 eBooks, 100,000 print volumes, 44,000 online journal subscriptions and access to more than 250 databases make Ritter Library an important resource for student and faculty research. Ritter Library's website: <http://libguides.bw.edu/library> provides on-and-off campus access to all its resources. Through Ritter Library's membership in OhioLINK, BW students and faculty can easily borrow materials from most academic libraries in Ohio, plus several major public library systems.

Ritter Library's professional reference staff provides direct assistance to library users at the Reference Desk on the main floor of the library, and also by phone, email, texting, chat, and Twitter (see Getting Help on the library website). Reference librarians also provide library instruction to BW courses, teach information literacy instruction classes, develop subject guides and online tutorials, and are available for one-on-one assistance. The librarians serve as liaisons with academic departments, in order to build the collections and promote usage.

Scanners, printers (b/w and color), and photocopy machines are available. A computer lab with 23 workstations and 25 additional computer workstations are available throughout the building. Ritter has wireless internet access, study rooms, and student collaborative worktables. Study rooms can be reserved from the library homepage.

The Learning Center

Welcome to The Learning Center, the place where students come to achieve academic excellence. Students visit The Learning Center when they want to improve their academic performance, learn new study strategies, develop time and task management skills or provide support to peers as tutors and SI leaders. Located on the top floor of Ritter Library, we provide an array of free academic support programs and services: Academic Coaching, Online Resources, Success Seminars, Supplemental Instruction and Tutoring (drop-in, individual and Smarthinking).

Our programs are designed so that students can participate in these academic support services in several different ways: one-on-one, online or in a group setting. On our BW SMART tab in Blackboard, students can schedule individual appointments, access Smarthinking Online Tutoring, view schedules (Drop-In Tutoring and the Success Seminars) and find a host of resources. Follow us on Twitter for program updates, study tips, the best apps for college success, contests and prizes. We look forward to working with all of our BW undergraduates this year!
Location: Ritter Library, 2nd Floor

Email: lrcntr@bw.edu Web: <http://www.bw.edu/LearningCenter/>

Disability Services for Students

Disability Services for Students (DSS) strives to create usable, equitable, inclusive learning environments for qualified students with disabilities by ensuring equal access to all University programs, services, and activities. DSS is committed to working with students, faculty, and staff in the development and implementation of appropriate accommodations while maintaining the academic standards and course integrity of Baldwin Wallace University. Our vision is to enhance services for students with disabilities through information dissemination, awareness training and professional development of faculty and staff while providing academic adjustments and promoting self-determination and independence.

Disability Services for Students:

- Provides accommodations to students with documented disabilities
- Serves as a liaison between registered students, their instructors and the campus community (dining, residence life, etc.).
- Provides classroom accommodations such as sign language interpreters, testing accommodations, adjustable height tables/desks, etc.
- Supplies assistive technology such as digital texts, alternative texts, Echo Smart Pens, dragon dictation.
- Imparts advice and mentoring to registered students during their matriculation at BW.
- Provides priority registration, reduced course load, and course substitutions, where applicable.
- Proctors exams for faculty of registered students in a room with video surveillance.
- Provides housing accommodations such as modified equipment, lowered closet rods, wheelchair accessible rooms and single rooms.
- Provides an alternative testing environment that includes a reduced distraction environment, earplugs, headphones, extended time, etc.
- Hosts webinars and events to keep the campus community up-to-date on best practices for disability services.

Location: Ritter Library, 2nd Floor

Email: disability@bw.edu Web: <http://www.bw.edu/DisabilityServices>

Student Status Policies

Criteria Related to Status

Undergraduate Full-time status—Students who have met the entrance requirements and are enrolled in a program of 12 to 18 credit hours per semester. The average class load is 15 or 16 hours. The maximum load is 18. Students are not permitted to take more than 18 credit hours unless they have a cumulative GPA of 3.00 and written permission of their Faculty Advisor and the Registrar. A class load below 12 credit hours carries the status of part-time student.

Sophomore, Junior, Senior status—To be ranked a sophomore, a student must have earned at least 25 credits; a junior must have earned at least 57 credits; and a senior must have earned at least 91 credits.

Academic Standing

The criteria to measure academic performance is the semester and the cumulative grade point averages (GPA), computed on the basis of that portion of the student's coursework which is graded on a letter-grade basis.

There are four categories of academic performance recognized by the University:

Good Standing — Students who are making satisfactory progress toward the completion of their degree requirements and whose semester and cumulative GPA meet the University's minimum levels of acceptable performance (see below). A minimum 2.000 GPA is required for graduation.

Academic Alert — Full-time students whose cumulative GPA has fallen below the minimum levels of acceptable performance for the first time (see table below), or new full-time students who earn a first semester GPA between 1.201 - 1.699.

Academic Probation — Full-time students whose cumulative GPA has fallen below the minimum levels of acceptable performance for a second time (see table below), or new full-time students who earn a first semester GPA between 0.500 - 1.200.

Academic Suspension — Students that fail to meet the conditions of their Academic Contract, or full-time students earning a semester GPA of 0.499 or below will be placed on Academic Suspension. Students suspended will have their permission to register revoked. Once suspended, individuals must remain on suspension for a minimum of one academic semester (Fall or Spring) before applying to be reinstated. Students who are placed on Academic Suspension at the end of the Spring semester may not take summer classes. (see **Reinstatement** below).

With respect to these criteria, there are a series of plateaus to allow time for adjustment to the expectations of the University. **The minimum levels of acceptable performance are:**

Hours Attempted or Earned (whichever is greater)	Minimum Cumulative GPA Required
1-11	--
12-24	1.700
25-40	1.800
41-56	1.900
57+	2.000

Restrictions

Academic Alert Status

Students on Academic Alert are subject to the following restrictions:

1. They must register for COL 122 and complete an Academic Self-Assessment by the first week of the semester.
2. They must meet with an assigned mentor and develop an Academic Contract by the fourth week of the semester.
3. They may not hold any office or leadership role in any student or University organization or activity.
4. They may not participate in April Reign activities.
5. They may not pledge, nor be initiated into, a national social fraternity or sorority.
6. They may not represent the University in any on- or off-campus event.
7. They are ineligible to represent the University in intercollegiate athletic competition.
8. Other restrictions may be established for individual situations.

Academic Probation Status

Students on Academic Probation are subject to the following restrictions:

1. They must register for COL 121 and complete an Academic Self-Assessment by the first week of the semester. Failure to do so will result in immediate Academic Suspension.
2. They must meet with an assigned mentor and develop an Academic Contract by the fourth week of the semester. Failure to do so will result in immediate Academic Suspension.
3. They may not hold any office or leadership role in any student or University organization or activity.
4. They may not participate in April Reign activities.
5. They may not pledge, nor be initiated into, a national social fraternity or sorority.
6. They may not represent the University in any on- or off-campus event.
7. They are ineligible to represent the University in intercollegiate athletic competition.
8. Other restrictions may be established for individual situations.

Procedure for Changing Categories

The general procedure to be followed in changing a student's academic standing will be:

1. At the end of each academic semester, the Registrar will ascertain the GPA for each student. An "I" grade will be referred to the Academic Appeals Board for a ruling on academic standing.
2. Each student will be placed in one of the four categories of academic standing described above. Academic standing will be determined on the basis of the total number of academic hours attempted or earned, whichever is greater as of the end of the most recent semester. Students transferring to Baldwin Wallace will be required to achieve at the academic level corresponding to the number of hours transferred plus the number of hours attempted at Baldwin Wallace since transferring.
3. A student who fails to meet the minimum level of performance for the criteria listed above will be placed on Academic Alert or Academic Probation and will be subject to the restrictions described above. A student will be removed from Academic Alert or Academic Probation when their cumulative GPA meets the required minimal levels and they have met the conditions of their Academic Contract.
4. A student placed on Academic Probation for a second time will be placed on Academic Suspension. A student who has been Academic Probation and has shown significant improvement but whose cumulative GPA does not meet the minimum requirement may be Permitted to Continue on Probation at the discretion of the Academic Appeals Board.
5. Students who are placed on Academic Suspension at the end of the spring semester may not take summer classes and must remain on suspension for a minimum of one academic term (Fall or Spring) before applying for reinstatement.
6. A full-time student who, in any semester, receives a semester GPA of less than 0.500 will be placed on Academic Suspension. A full-time student who drops a course, is graded on 7-11 remaining hours, and earns a GPA below 0.500 will be placed on Academic Suspension. If a full-time student receives an "I"

grade in one or more courses, but the graded courses result in a GPA below 0.500 the case will be referred to the Academic Appeals Board for evaluation. This evaluation will be based on such considerations as the student's previous record, the reason for the "I" grade(s), and the quality of the work prior to the "I" being given.

7. Students enrolled for fewer than 12 hours during any semester will be considered part-time students. They will be evaluated whenever they have attempted or earned enough hours to take them to the next acceptable performance plateau or at the end of every 15-hour block of hours attempted after they have attempted more than 57 credit hours.

Reinstatement

When a student has been placed on Academic Suspension, the only way that the student may return is to petition for Reinstatement. During the semester of suspension, or anytime thereafter, the student may present a written application for reinstatement to the Academic Appeals Board. Applications for reinstatement can be obtained from the Academic Affairs Office. The Academic Appeals Board will review each petition, any supporting evidence, and will interview the applicant before deciding whether or not the students will be reinstated and, if so, the conditions under which reinstatement may occur. The decision of the Academic Appeals Board is final, although students may reapply in subsequent semesters. Unless permission has been obtained from the Academic Affairs Office, any coursework completed at another college while a student was suspended from Baldwin Wallace will not transfer back to BW unless approved by the Academic Appeals Board or the Associate Provost.

Attendance Policy

The official non-punitive policy for University approved absences, and as such serves as a basis for any individual absence policy developed by a professor, is as follows:

It is the responsibility of the faculty member to have a clearly stated attendance policy included in each course syllabus. A professor may have a more lenient attendance policy if he or she wishes and if it is stated in the syllabus. In the absence of this, the University policy prevails. Furthermore, persons leading co-curricular activities will follow the official University absence policy giving priority to academic requirements. Persons leading co-curricular activities are expected to inform students of potential conflicts with other academic requirements within the first week of classes or at the time of registration. **No professor is required to excuse absences in excess of ten percent of class meetings.**

- A. The policy of the University is that all students are expected to attend all classes. It is realized, of course, that not all students will, or can, attend all classes.
- B. *Excused* absences from class fall into the following three main categories:
 1. absences for field trips or activities directly involved with the academic program;
 2. absences for official University functions and activities, such as intercollegiate athletic competitions and co-curricular activities of performing groups or individuals;
 3. absences for a death in the family, a serious illness, or a major religious holiday.
- C. Any student who wishes to be excused for reasons of "serious illness" must present some appropriate form of verification (e.g., a medical excuse) to the Student Affairs Office. In the absence of such documentation, the decision of whether or not to excuse is left to the professor's discretion. Any student who wishes to be excused for sports-related, performance-related events or academic field trips must present the professor with advance notification (e.g., a letter signed by a coach or other faculty member) at the beginning of the term for scheduled events, and as far in advance as possible for events scheduled while the term is in progress.
- D. Regardless of reasons for the absence, the student is responsible for contacting the professor at the beginning of the term for scheduled events, and as far in advance as possible for events scheduled while the term is in progress. **The student is responsible for any work he/she may have missed due to absence, excused or unexcused.** It is up to the discretion of the professor to decide when, where, and how the missed work is completed.

Financial Obligations and Refunds

All University charges and fees are due in full on or before Friday of the first week of the semester. Monthly account statements will be assessed a finance charge on any unpaid balance until the account is paid in full. If full payment cannot be made by the first due date, the student should make alternate arrangements through the Bursar's Office.

For your convenience BW has an online payment site that is open around the clock. Payment can be remitted with VISA, MasterCard, Discover or electronic check. Credit card payments are subject to a 2.5% convenience fee while there is no fee for making a check payment online. Follow the link below and choose the payment link.

If you would like to spread out your payments, find the BW Payment Plan link at the website below. A small processing fee applies but there are no finance charges on the BW Payment Plan.

Students with past due accounts will not be allowed to register for the next semester unless full payment of the account has been received prior to the student registration appointment time. Students who are delinquent in meeting their financial obligations to the University are subject to additional restrictions. Certificates of credit (transcripts) or letters of honorable dismissal will not be issued. Diplomas will not be awarded. Students should contact the Bursar to make arrangements to resolve their past due account status.

University tuition and all related charges are refundable based on the published refund schedule.

For more information about financial obligations and refunds, go to <http://www.bw.edu/tuition/payments/>

Policy on Academic Honesty

Baldwin Wallace is committed to the growth and learning of its students and believes strongly that such growth and learning prospers best within a community of trust. We believe that academic honesty, the fair and straightforward representation of what one has learned, researched and/or written, is the foundation of a healthy environment for learning. Instructors, administrators, staff, and students alike are responsible for upholding high ethical standards of academic honesty in all academic endeavors, and the academic community of Baldwin Wallace supports the policy that any form of academic dishonesty is a serious breach of ethics and shall be dealt with appropriately.

<http://www.bw.edu/about/offices/academic-affairs/>

Admission Information

Applying for Admission to Baldwin Wallace University

The Admission Committee carefully examines the academic achievement and aptitude of every candidate for admission to Baldwin Wallace. The goal of the Committee is to admit students who can best benefit from and contribute to the academic program and life of the University.

High school seniors may begin applying to BW for the following fall term as of August 1, though the first notifications for admission will not be sent until early October. Beginning in October, applicants are notified of admission decisions on a rolling basis within two to four weeks upon the completion of their application to BW. The priority application deadline is November 1 for students applying to liberal arts programs. Although students are encouraged to apply before May 1 so they are in a position to meet the priority student deposit deadline, applications will continue to be accepted on a space available basis until the start of the fall semester. Students applying to the BFA in acting program and the Conservatory of Music have different application and auditions deadlines.

Transfer and adult students should apply at least six weeks prior to the beginning of the entry term.

All applications and credentials submitted for admission consideration become property of Baldwin Wallace University when they are submitted and will not be returned in original or copy form, unless the student has matriculated at Baldwin Wallace University.

For more information on applying to BW, go online to <http://www.bw.edu/admission/apply/>.

First-Time Undergraduate Students

Admission to the University is offered on a selective basis. To be considered for admission, candidates must submit an application and fee (unless applying online), official high school or GED transcripts, results of the ACT or SAT examination or a graded writing sample in lieu of standardized testing if a student has a cumulative high school grade point average of 3.0 or above, a personal essay, and a summary of school and community activities. A teacher recommendation is optional. BW requires that applicants have earned either a diploma from an accredited high school or the GED Certificate prior to enrolling at the University. Students who have been home schooled should consult with the Office of Admission.

While not required, an admission interview, copy of a resume, written personal statement, and list of training workshops and seminars are examples of additional information that may be useful for the Admission Committee during the admission process.

Students must provide evidence of their preparation and fit for future success at Baldwin Wallace University consistent with code of conduct statements for the University, program, or profession. All aspects of a student's application are considered and used as the primary means for informing an admission decision.

The Admission Committee has determined that the following high school curriculum will best prepare most students for academic success at BW: four units in English; three units each in mathematics including Algebra 2, social science and natural science; two units in foreign language and at least three additional elective units from academic areas. Candidates considering majors in the sciences or mathematics are encouraged to include four units each of mathematics and science in their high school programs.

Successful candidates for admission have typically earned a minimum B average in their academic course work and have demonstrated involvement and leadership in school or community organizations. Standardized test scores generally reflect commensurate achievement and ability; however test scores are optional in the admission process.

The University recognizes that some students may be well qualified to succeed in an undergraduate program without having followed the recommended high school curriculum. Therefore, applicants whose records indicate academic potential but who have followed an alternate program of study are encouraged to contact the Office of Admission for additional information at 440/826-2222 or admission@bw.edu.

additional information at 440/826-2222 or admission@bw.edu.

Advanced Placement and International Baccalaureate Programs

Scores from these examinations will be considered for credit by the University. (See Undergraduate Academic Opportunities.) Further information about Advance Placement credit can be found at <http://www.bw.edu/academics/registration-records/advanced-placement/index>. Information regarding International Baccalaureate credit is found at <http://www.bw.edu/academics/registration-records/international-baccalaureate/>.

Conservatory of Music Students

Admission to the Conservatory is highly selective and is based on the following factors: academic admissibility, audition on primary applied instrument and interviews for the music majors of composition, education, therapy and theory. Students must submit their application, music teacher evaluation, and music profile prior to the audition. Auditions are held in the Conservatory at regular intervals during the academic year. Auditions are filled on a first-come basis after the receipt of the application and audition fee. Audition spots may fill well in advance of the application deadline.

Detailed information concerning admission to specific majors and programs, repertoire requirements, or an appointment for an interview or audition may be obtained by writing or by calling Conservatory Admission, Conservatory of Music, Baldwin Wallace University, 275 Eastland Road, Berea, Ohio 44017-2088, toll free 1-866-BW-MUSIC; email music@bw.edu or go to the web site, <http://www.bw.edu/undergraduate-admission/conservatory/>

For policies related to the admission of Conservatory transfer students, see below.

BFA in Acting Students

Similar to admission to the Conservatory, admission to the BFA in acting program is highly selective and is based on the following factors: academic admissibility and audition. Auditions are held in the Conservatory at regular intervals during the academic year. Auditions are filled on a first-come basis after the receipt of the application and audition fee. Audition spots may fill well in advance of the application deadline.

Specific guidelines can be found at: <http://www.bw.edu/academics/undergraduate/acting>

For policies related to the admission of transfer students to the BFA in acting program, see below.

Adult and Continuing Education Students

Adult students applying for admission to Baldwin Wallace to enroll in evening, weekend or online classes are considered Adult & Continuing Education students. Submit an application for admission, official transcripts from all colleges and universities attended, and a letter of recommendation. The application fee is waived when students apply online at <http://www.bw.edu/admission/apply/>. Students who have not completed 25 semester hours of successful college work or have been out of high school less than five years are required to submit an official high school or GED transcript. An on-campus interview with an admission counselor is recommended. The Admission Committee recognizes that life and career responsibilities, military service and employment history can provide helpful insight into a student's potential for a successful academic experience at the University. To talk to an admission counselor or learn more about adult programs, call 440-826-8012 or go to <http://www.bw.edu/undergraduate-admission/adult/>.

Adults may initially enroll at BW using the Quick Start application for admission. A Quick Start application is available from the Admission Office or may be downloaded from the web at <http://www.bw.edu/undergraduate-admission/guest/quick-start/>. This application allows a student to enroll as a part-time student for one semester before formally applying to the University as a degree-seeking student.

Post-Baccalaureate Students

A post-baccalaureate student has earned a bachelor's degree and wishes to take supplemental undergraduate course work at Baldwin Wallace University. Post baccalaureate students apply online at <http://www.bw.edu/admission/apply/>. Students seeking to earn a second bachelor's degree, a teacher's license, RN license or a certificate program completion must submit official college transcripts from each college or university attended.

BW graduates seeking a second degree from BW after an absence of more than three years will be subject to the institutional (core) and departmental curricular requirements in effect at the time of readmission. BW graduates seeking a second degree after an absence of three years or less will be subject to the institutional (core) requirements in effect when they earned their first degree and to the departmental curricular requirements in effect at the time of readmission. A year is defined as the completion of two consecutive semesters and one summer session.

Undergraduate Transfer Students

Admission to the University is offered on a selective basis. To be considered for admission, candidates must submit an application, a high school or GED transcript (if out of high school less than five years or if less than 25 transferable college credits have been completed), a letter of recommendation, Office of Student Affairs/Judicial Affairs form (if attending a four-year residential college/university within the last academic year), and official transcripts or evidence of approved withdrawal from all previous colleges and universities attended. Application fee is waived when students apply online at <http://www.bw.edu/admission/apply/>. Scores of the SAT or ACT may be required for recent high school graduates. All of the applicant's credentials, including all previous course work completed at other colleges or universities, are considered in the admission process. Failure to fully disclose all academic records to the Admission Committee at the time of application may be cause for cancellation of admission or dismissal from the University. Successful candidates for admission typically submit credentials from colleges and universities accredited by a regionally accredited institution, have met the general admission requirements for first time students and have earned a B average in their college or university course work. Candidates should be in good academic, social and financial standing at their previous institutions. Students not in good standing at a previous institution may be considered for admission provided they have been out of school at least one full year prior to their proposed date of entrance.

Students must provide evidence of their preparation and fit for future success at Baldwin Wallace University consistent with code of conduct statements for the University, program, or profession. All aspects of a student's application are considered and used as the primary means for informing an admission decision.

The University recognizes that several factors may influence a student's decision to transfer to a new institution. Therefore, a candidate whose record indicates academic potential but who has not met the exact pattern listed above is encouraged to contact the Office of Admission for additional information.

Students with Military Experience

Baldwin Wallace University recognizes military experience as transferable University credit. During the admission process, veterans should submit the DD 214 Form and any military transcripts detailing their training and education in addition to any high school or college academic transcripts. The BW Office of Registration and Records will review these records for possible University credit. For more information, go to <http://www.bw.edu/admission/veterans/>.

Conservatory Transfer Students

Conservatory Transfer Students must submit the BW transfer application with all supporting materials; Conservatory supplement with music essay, music teacher evaluation, and audition fee; and participate in the audition process. The Conservatory reserves the right to assess all music **transfer** credits through placement examinations or course description, particularly in the areas of Music Theory, Music History & Literature, Piano, and Primary Applied Instrument. If a student has had courses in these areas but does not demonstrate the required proficiency, he/she may be required to retake courses as taught by Conservatory faculty. In such a case, the credits will transfer as music electives. Students currently enrolled as music majors at another institution must also submit the transfer release form, per NASM guidelines. <http://www.bw.edu/undergraduate-admission/conservatory/>

BFA in Acting Transfer Students

Students wishing to transfer from another institution to enroll in the BFA in acting program at BW must submit the BW transfer application with all supporting materials as outlined on the transfer application webpage, in addition to submitting the audition fee and participating in the audition process. Currently enrolled BW students who wish to transfer into the BFA in acting program should contact the director of the BFA in acting program to learn more about whether there is space available and, if so, how to schedule an audition.

Transfer Credit

Courses which fall within the academic scope of the BW curriculum as determined by the faculty and in which a student has received a grade of "C" or better will be considered for transfer credit at BW. The University will transfer credit hours, but will not transfer quality points or grades.

Baldwin Wallace will not accept transfer credits earned at an institution without regional accreditation or by examination. University credit may be granted for training programs offered by business and industry and previous military experience as recommended in the American Council on Education's *Guide to Educational Credit for Training Programs*. The training must fall within the academic scope of the Baldwin Wallace curriculum. Official transcripts from the American Council on Education are required before appropriate credit can be determined. The maximum credit accepted from a two-year college is 62 semester hours. More credit is accepted from a four-year college as long as 45 hours of the required 124 hours of course work is met in residency at Baldwin Wallace.

<http://www.bw.edu/undergraduate-admission/transfer>

Affiliated Partnerships with Local Community Colleges

Through special affiliations with Cuyahoga Community College, Lakeland Community College and Lorain County Community College, **Baldwin Wallace accepts 62 semester hours in transfer for approved associate degrees**. Applicants must meet all normal admission requirements and conditions of the University.

Associates to Bachelor's Degree (A2BW) Program

Students who have earned an associate degree from any regionally accredited college or university may qualify for BW's streamlined Associate to Bachelor's programs to complete their bachelor's degree. For more information, visit <http://www.bw.edu/a2bw>.

Dual Admission Program

The Dual Admission Program is a joint transfer program with Cuyahoga Community College that allows students to complete an associate degree at Cuyahoga Community College and also be granted admission to Baldwin Wallace University. Students may be admitted to the Dual Admission program directly out of high school depending on the strength of their academic program and performance. Students with less than 25 transferable college credits are encouraged to apply to the program. Once admitted into the Dual Admission program, students must complete a minimum of 25 transferable Tri-C credits, have a minimum cumulative GPA of 2.5, and have completed required English and Math courses to be guaranteed degree-seeking admission to BW.

For more detailed information on the Dual Admission Program, please contact the Admission Office or check <http://www.bw.edu/undergraduate-admission/transfer/>.

International Students

International applicants must submit an application and fee (application fee is waived when students apply online at <http://www.bw.edu/admission/apply/>), certified English translations of all official academic records beyond the primary level, the results of the TOEFL, IELTS, SAT or ACT examination, teacher recommendation, a personal statement of educational goals and a statement of financial support. Courses taken at a post secondary

institution outside of the United States need to be evaluated by an agency certified through World Educational Services <https://www.wes.org>; any charges for the service must be paid by student to the agency. For additional information, please visit www.bw.edu/international or contact the Office of Admission.

Registration Policies

Transient Coursework

Transient status refers to a student who wishes to enroll at another college or university for limited, specific coursework, for the purpose of transferring those courses back to the institution where they are earning a degree.

Students from other institutions attending BW: The University may admit a student who has a minimum 2.0 GPA and is in good standing at another institution for specific coursework at Baldwin Wallace. This coursework may apply toward a degree at the student's home institution, based upon regulations at that institution. A transient student application form is available from the Office of Admission (440/826-2222) and must be submitted for each semester of enrollment.

BW students attending other institutions: Baldwin Wallace University students may be approved to attend another regionally accredited institution during an academic term and transfer credits to their degree programs at the University. A Transient Student Permit Form must be submitted and approved by the Registrar prior to enrolling at the other institution. Students must be in good academic and financial standing at the University. Course selections must be approved by both the academic department chairperson in whose department the course work will apply and the Registrar of the University. Transient permission is granted semester by semester and may not extend beyond two consecutive semesters.

Students are required to complete 45 semester hours, of their required hours of coursework, in residence at Baldwin Wallace. Transient coursework transferred to the University is subject to all policies and provisions governing transfer course work stated herein. A transient student may not enroll in more credits at another institution than normally could be completed at Baldwin Wallace University in a comparable time period.

Returning Students

Former Baldwin Wallace students seeking readmission after an absence should contact the Office of Registration and Records and complete the Returning Student Form. Students with senior status (having earned 91 credits or more toward their degree) after an absence of more than three years will be subject to the institutional and departmental curricular requirements in effect at the time of readmission. Students with junior, sophomore or freshman status (having earned 90 credits or less toward their degree) after an absence of more than one year will be subject to the institutional and departmental curricular requirements in effect at the time of readmission. One year is defined as the completion of two consecutive semesters and one summer session. Students who have attended other institutions during the withdrawal period from the University must complete a Transient Student Permit Form and request that an official hard copy of their transcript from their other institution(s) be sent to the BW Office of Registration & Records. Additional instructions will be included in the Returning Student Packet that will be mailed upon submitting the Returning Student form.

Veterans who leave Baldwin Wallace for active duty may reenter the University within one year of discharge from the armed services under the academic requirements in effect at the time of their departure.

Military Call to Active Duty Policy

Baldwin Wallace University will be as supportive and accommodating as possible for those students who must withdraw in a given semester because they have been called to active military duty. Exceptions to this policy are determined by the Provost's Office.

Any student who is called to active military duty should present his/her active duty orders to the Provost's Office. Depending on the activation date and the judgment of the individual faculty, the student has several options regarding the completion of coursework.

1. A student may request a withdrawal. The withdrawal will be retroactive to the beginning of the term. A student may do a complete withdrawal resulting in all tuition charges removed. A student may do a partial

withdrawal, receiving "W" grades in some courses. Full-time students will not receive a refund if the "W" grades result in part-time status.

2. A student may request an "Incomplete" to be decided by the individual instructors. There will not be any tuition adjustment for courses assigned "I" grades and the student will have six weeks into the next term of enrollment to complete the "I" grade.
3. A student may request final grades at the discretion of individual faculty members. Faculty and students would also have the option of turning the grade into satisfactory/unsatisfactory if departure occurs prior to final exams. Tuition is not adjusted.

In all of the above cases, all room charges will be prorated. Any remaining Jacket Express balance will be credited to the student's account. The University would not charge a student carrying charges on back balances while he/she is in the military.

Registration

Current students may enroll in classes online at times assigned by the Registrar. Special registration days are scheduled for new undergraduate students entering BW for the first time. Class schedules and plan timelines must be prepared by students with the assistance of their academic advisors prior to registering for classes. Classes may be canceled at the discretion of the University. In such instances, the students affected will be notified, and assistance in planning alternative schedules will be made available. While Baldwin Wallace makes every effort to assist students in the planning of their programs of study, **it is ultimately each student's personal responsibility to plan and complete all University degree requirements.**

Full-time and Part-time Enrollment Load

Enrollment Load Definitions

Undergraduate*	Full-Time	12 or more
	Part-Time	0 - 11.5
Graduate	Full-Time	6 or more
	Part-Time	0 - 5

*18.5 credits or more is considered overload for Undergraduate Students

Graduate course credits are always in whole numbers

Undergraduate Divisions Full-time

Changes in Schedule

Students may add and/or drop courses only during specified times announced by the Registrar. All seats are maintained on a space available basis.

The responsibility to complete schedule changes in a timely and proper manner rests with each student.

Students should consult the academic calendars, on the Registration and Records website, for the exact dates for schedule changes each semester.

Students failing to add a course properly will not receive course credit regardless of course attendance or course work completed. Students failing to drop a course properly will receive a grade of "F#" for the course in question.

Withdrawal from Individual Courses

Students may withdraw from courses before the published last day to drop without academic penalty. A grade of "W" will be assigned for each course withdrawn. Consult the Registration and Records website for withdrawal deadlines and procedures. <http://www.bw.edu/academics/registration-records/academic-calendar/>

Students wishing to withdraw from classes after the deadline to drop, must submit a written petition and documentation of extenuating circumstances to the Office of Registration & Records for review. If the petition is approved, a grade of "WP" or "WX" will be assigned to each course withdrawn. "WP" will be assigned indicating passing coursework at the time of withdrawal. "WX" will be assigned indicating failing coursework at the time of withdrawal. Withdrawal from a course without approval constitutes a failure, and a grade of "F" will be assigned to the course. Petition forms are available in the Office of Registration & Records <https://my.bw.edu/Campus-Life/Your-Campus/Registration/Pages/default.aspx>

Leave of Absence

For many reasons, a student may need to leave Baldwin Wallace temporarily for a specified period of time. Permission for a leave of absence may be granted for a maximum of two consecutive semesters and one summer semester. A student who wishes to leave temporarily must communicate his/her plans to leave and return to his/her faculty advisor. The Withdrawal/Leave of Absence form must be completed on-line through WebExpress. The official date of withdrawal is the date that the completed form is submitted to the Office of Registration and Records.

Withdrawal from the University

Students who wish to completely withdraw from Baldwin Wallace and who do not plan to return must communicate their intention to leave the University to their faculty advisor. They must then complete the Withdrawal/Leave of Absence form on-line through WebExpress. The official date of withdrawal is the date that the completed form is submitted to the Office of Registration and Records.

Student Records

All academic records are maintained in the Office of Registration and Records. Additional student personnel and advising records are maintained in the Office of Student Affairs, the Continuing Education Office, the Office of Academic Advising, by assigned faculty advisors and appropriate academic school offices. These records are made available, in a reasonable length of time, upon request for review by the student to whom they pertain. Baldwin Wallace University designates the following categories of student information as public or "Directory Information," and this information may be disclosed by the institution for any purpose at its discretion.

Category I: Name, date of attendance, enrollment status (current, full-time, part-time).

Category II: Previous institution(s) attended, address, telephone number, email address, major field of study, degree(s) conferred (including dates), student photo.

Category III: Past and present participation in officially recognized sports and activities, physical characteristics of athletes.

Currently enrolled students may withhold disclosure of any category of information under the Family Educational Rights and Privacy Act of 1974. Students who wish to withhold "Directory Information" must make an appointment to discuss this option with the University Registrar. **Baldwin Wallace assumes that unless a student specifically requests withholding of categories of "Directory Information," individual approval for disclosure is granted.**

Additional information regarding FERPA and Education Records can be found on the Registration & Records website.

Summer Semester

Undergraduate and graduate courses are offered during the summer. Undergraduate courses are offered in six, eight and twelve-week summer sessions and are supplemented by immersion, hybrid and on-line courses that are offered throughout the summer. The undergraduate summer schedule is designed for both full and part-time students and all courses are open to day, evening, and weekend students. Students may enroll in courses taught on campus and/or at BW Corporate College East.

Courses and workshops for graduate students are also scheduled throughout the summer. Students should check for specifics as offered by their area of graduate specialization.

Undergraduate Program Requirements

This section includes course descriptions, general information and specific course and credit requirements for the University Core, undergraduate majors, minors and other programs of study.

Core Curriculum Requirements

All undergraduate students at BW pursue a course of study sufficiently varied to acquaint them with a broad spectrum of knowledge and to provide them a strong foundation in core academic skills. The knowledge and skills that students utilize and develop through their core courses are essential to their success in academic work as well as in their personal and professional lives. The core requirements include course work in the following areas: foundation courses in Mathematics, English Composition, and First-Year Experience (FYE 100); perspectives courses in the Humanities, Social Sciences and Natural Sciences; wellness courses in Health and Physical Education; extension courses in writing and quantitative reasoning; International coursework or experiences; and coursework in Diversity Studies. Each core course provides an opportunity for students to develop their knowledge in at least one of the following areas: effective communication; application of complex thinking skills; human behaviors, cultures, and the natural world; how to contribute to the common good and employ ethical reasoning; behaviors that promote lifelong health and wellness; as well as develop depth in an academic area outside of their major.

Bachelor of Arts and Sciences Core

First-Year Experience (FYE 100)

First-Year Experience is required of all entering students or of transfer students bringing in less than 15 credits.

Mathematics

MTH 101 or higher depending on major and minor.* Students majoring in Early Childhood Education take MTH 111 (4 credits) and MTH 113 (2 credits); Mild/Moderate Educational Needs majors take MTH 111 (4 credits) and MTH 112 (4 credits) for core. Prerequisite: Registration into these courses (except for MTH 101, MTH 105, MTH 108) requires students to have scored at least 22 on the quantitative portion of the ACT, a SAT Math Section Score of 550 or higher, or a SAT Math Test Score of 27.5 or higher. For students with both ACT and SAT scores, the higher placement will be used. Students who wish to challenge their ACT- or SAT-based placement, or students entering Baldwin Wallace University without ACT or SAT test scores, must take a mathematics placement test in order to take their MTH core course. Students should complete their MTH core requirement during their first two semesters at BW if they meet the prerequisite upon entry, or within their first three semesters if the prerequisite must be completed first.

***Exception to requirement:** Students who received credit for AP Statistics or AP Calculus are exempt from the MTH core requirement and will receive credits as follows:

Score	Exam	Credit Hours	Course Equivalent
3, 4, 5	AP Statistics	3	MTH 105
3, 4, 5	AP Calc- AB	4	MTH 141
3, 4, 5	AP Calc- BC	8	MTH 141, MTH 142

English Composition

ENG 131 - Workshop in Exposition and Argument. Prerequisite: ENG 111 or placement. Students placing into ENG 131 should take it within their first two semesters at BW. Students required to take ENG 111 should take it during their first semester at BW, and should take ENG 131 no later than their third semester at BW.

English Composition placement determined by ACT and SAT scores as follows:

Placement	Placement Scores	
ENG 131	ACT 24 or above	SAT 560 or above
ENG 111	ACT 23 or below	SAT 550 or below

Students may challenge their placement in ENG 111 by taking the English challenge exam, in which they write an essay under supervised conditions.

Perspectives

Students must complete at least 28 credits of perspectives courses as outlined below.

- A. Four courses from four of the five following Humanities groups:
 - a. General Humanities
 - b. Fine Arts: Creative Expression
 - c. Fine Arts: Aesthetic Appreciation
 - d. Cultural Literacy
 - e. Meaning and Purpose
- B. Two Social Science courses from at least two separate departments
- C. Two Natural Science courses, one of which must be a lab science
- D. One Interdisciplinary course

HPE Wellness

Students are required to take 2 credits to fulfill the Wellness requirement with core-designated (W) activity, technique, or health and wellness related courses. The W course requirement could be completed at any time and up to one credit hour can be transferred into BW.

Diversity (courses with a 'D' designation)

Students must complete one course designated as meeting the domestic diversity requirement. Courses that fulfill the Diversity requirement have a significant amount of course content devoted to the analysis of domestic diversity, such as culture, race, religion, age, disability, ethnicity, gender, sexual orientation, language, and social class. Courses that fulfill the Diversity requirement meet at least one of the following criteria:

1. Help students understand the historical or contemporary experiences of underrepresented groups in U.S. society.
2. Introduce students to the ways in which diversity in America enriches our intellectual, social and cultural lives.
3. Assist students in their preparation for both professional and civic life, by providing them perspective and insight on the diversity they will encounter in their workplaces and communities.
4. Provide students the foundation for asking and answering insightful questions about the ways in which diverse peoples interact with each other and the consequences of these interactions.

International

Students must fulfill one of the following three options*

Foreign Language: One year of one foreign language excluding Foreign Languages & Literature courses taught in English.

Study Abroad: This requirement can be fulfilled by one of the following:

1. Earning academic credit in a BW-approved Explorations study abroad program.
2. Living abroad and attending a non-U.S. elementary or secondary school for at least one academic year.
3. Military deployment(s) or overseas duty station(s) for at least one academic year.
4. Other experiences abroad as approved by the Core Curriculum Committee.

International Coursework (courses with an 'I' designation)

Three courses with no more than two from the same department. Courses that fulfill the International Studies requirement meet at least one of the following criteria:

1. Explore an international cultural or cultures, past and/or present.
2. Explore current global problems.
3. Develop competencies in international communications.
4. Explore international aspects of political and economic systems.

*International core requirement does not apply to Music Education majors.

Click for a specific list of courses that apply toward the [Bachelor of Arts and Sciences Core](#).

Course Letter Designations:

D = Diversity

E = Exploration

H = Honors

I = International

S = Service Learning

W = HPE Wellness

X = Experiential Learning

Africana Studies

Africana Studies Minor

This minor explores both the global and domestic importance of Africa from the perspective of the evolving experience of the U.S. as a multicultural society. The minor includes a common core course which all students will take. Students will then choose courses from one of the two tracks: the international track focusing on Africa as a region or the domestic track focusing on the experience of African-Americans in the U.S. All students will take at least one course from the other track. All students also complete an integrative capstone experience under the guidance of a faculty mentor in order to synthesize understanding of the interdisciplinary coursework and experiential elements of the minor.

Requirements:

- AFR 200D - Introduction to Africana Studies, 3 credit hours

Choose courses from one of the two tracks (International/Domestic):

International Track:

Students take:

- two International Track Basic Courses listed below, 5-6 credit hours
- one French or Arabic language course (depending on placement), 3-4 credit hours
- one International Track Upper Division Course, 3 credit hours
- one Domestic Track Basic Course, 3 credit hours

International Track Basic Courses:

- AFR 263I - Seminar, 1-4 credit hours
- ART 235I - Topics in Non-Western Art, 3 credit hours (when offered as African Art)
- HIS 227I - History of Africa, 3 credit hours
- INT 200I - Introduction to International Studies, 3 credit hours (when student adopts an African country)
- POL 215I - United Nations, 2 credit hours
- POL 216IX - International Organizations: Case Studies, 1-3 credit hours

International Track Upper Division Courses:

- ECN 358 - Environmental Economics, 3 credit hours
- ECN 362I - Economics of Developing Countries, 3 credit hours
- PHT 173I - Global Health, 3 credit hours
- POL 329I - Government and Politics in Sub-Saharan Africa, 3 credit hours

Domestic Track:

Students take:

- two Domestic Track Basic Courses listed below, 6 credit hours
- two Domestic Track Upper Division Courses, 6-8 credit hours
- one International Track Basic Course, 3 credit hours

Domestic Track Basic Courses:

- CAS 277D - Media and Diversity, 3 credit hours
- CAS 285D - Introduction to Intercultural Communication, 3 credit hours
- HIS 170D - Diversity in America, 3 credit hours
- HIS 250D - African-American History, 3 credit hours
- REL 115D - African-American Religious Experience, 3 credit hours
- ART 235I - Topics in Non-Western Art, 3 credit hours (when offered as African Art)

Domestic Track Upper Division Courses:

- ECN 356D - Urban & Regional Economics, 3 credit hours
- HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours
- PHT 375X - Health and Social Justice, 3 credit hours
- POL 304D - Urban Policy and Politics, 3 credit hours
- POL 333D - Contemporary Political Voices at the Margins, 3 credit hours
- PSY 245D - Multicultural Psychology, 3-4 credit hours

Integrative Element: (1-3 credits)

This portion of the minor entails the incorporation of coursework into an integrative/culmination experience that allows the student to incorporate elements of the minor requirements into an integrative experience and utilize that experience to synthesize understanding of the courses chosen. The experience will be listed with the appropriate course number and credits determined by the mentoring professor to match the option choice. Students can complete this experience in a variety of ways including

- | | |
|---|---|
| - Service Learning Project | - Internship/Experiential Learning |
| - Independent Study/Research | - Faculty-Student Collaborative Project |
| - Study Abroad individually or as a group | - Urban Semester program |

Students will discuss the most appropriate alternative with the academic advisor and/or professors in the course s/he has chosen as part of the minor and choose one as the mentor who will supervise the awarding of credit appropriate. Students will also prepare a written reflection making connections between the in and out of classroom experiences associated with the major. This reflection will include an explanation of the choice of experience, the relationship of the experience to minor learning objections, the academic relevance of the experience and the impact on the student's development.

Art

The curriculum of the Department of Art has a fourfold objective: to familiarize students with the basic principles of visual art and to prepare them to use the arts intelligently in their own lives: to devote their skills in various techniques and media: to develop their creative, aesthetic awareness and visual expression: and to foster an understanding and appreciation of the arts of other ages and cultures, as well as those of their own time and place.

Major

The department offers two areas of concentration: Art Education and Studio. Students should enroll initially in any of the 100 or 200 entry level courses which do not have prerequisites. (ART 102IF - Art Appreciation is not designed for majors and is not recommended for students who are planning to major in studio art).

Interested in Graphic Design or Web Design?

Please see the Digital Media and Design: Graphic Design, B.A. or Digital Media and Design: Interactive Design, B.A. major.

The department requests that enrolling freshmen studio majors present a portfolio of six to ten works when meeting with their faculty advisor.

Majors

Art Education, B.A.

Multi-age License--Visual Arts

Art education majors will be required to participate in a yearly critique with the studio faculty. In addition, senior candidates for graduation in art education will choose and mount a senior exhibition in April of their graduating year.

Minimum credits required: **52** (plus prerequisites as indicated)

Required courses

Studio Art--32 credits required

- ART 110 - Drawing I, 2 credit hours
- ART 111 - Drawing II, 2 credit hours
- ART 212 - Drawing III, 2 credit hours
- ART 115 - Two Dimensional Design, 2 credit hours
- ART 116 - Three Dimensional Design, 2 credit hours
- ART 117 - Color Theory, 2 credit hours

- ART 220 - Digital Photography, 2 credit hours
- **OR**
- ART 225 - Introduction to Photoshop, 2 credit hours

- ART 213 - Introduction to Painting, 2 credit hours
- ART 246 - Introduction to Sculpture, 2 credit hours
- ART 216 - Introduction to Ceramics, 2 credit hours
- ART 248 - Introduction to Printmaking, 2 credit hours
- ART 328 - Materials and Techniques, 2 credit hours
- Required Studio Elective Hours 8 credits

History of Art--20 credits required

- ART 102I - Art Appreciation, 3 credit hours

- ART 231I - Western Art to 1400, 4 credit hours
- ART 232I - Western Art from 1400 to 1945, 4 credit hours
- ART 234 - Survey of American Art from Colonial Times to 1945, 3 credit hours
- ART 235I - Topics in Non-Western Art, 3 credit hours
- One Upper Level Art History Course 3 credits

Additional Requirement

The student must also satisfy the state requirements in education as offered in other areas of the University, especially those offered by the School of Education. See School of Education for a list of requirements.

Studio Art, B.A.

Majors are required to take 22 semester hours in Studio Art Foundation, 6 semester hours in a Studio Art Emphasis, 6 semester hours of Studio Art Electives at the 300 level, 14 semester hours of Art History and 1 semester hour in the Junior/Senior Seminars.

Majors are required to participate in a yearly critique with the studio faculty beginning in their Junior year, the basis for ART 363 - Junior Seminar. Senior candidates for graduation are required to exhibit their advanced artwork in the Senior Art Exhibition as part of ART - 463 Senior Seminar. The department also requests, but does not required, that enrolling freshmen studio majors present a portfolio of six to ten works when meeting with their faculty advisor.

* Studio Art majors may not declare the History of Art minor.

Minimum credits required: **49** (plus prerequisites as indicated)

Required courses

Studio Art Foundation--22 credits required

- ART 110 - Drawing I, 2 credit hours
- ART 111 - Drawing II, 2 credit hours
- ART 212 - Drawing III, 2 credit hours
- ART 115 - Two Dimensional Design, 2 credit hours
- ART 116 - Three Dimensional Design, 2 credit hours
- ART 117 - Color Theory, 2 credit hours
- ART 213 - Introduction to Painting, 2 credit hours
- ART 216 - Introduction to Ceramics, 2 credit hours
- ART 220 - Digital Photography, 2 credit hours
- ART 246 - Introduction to Sculpture, 2 credit hours
- ART 248 - Introduction to Printmaking, 2 credit hours

Studio Art Emphasis-- 6 credits required

(Choose ONE of the following programs)

Ceramics

- ART 217 - Intermediate Ceramics, 2 credit hours
- ART 318 - Advanced Ceramics, 3 credit hours
- ART 318 - Advanced Ceramics, 3 credit hours (taken again for credit)

Painting

- ART 214 - Intermediate Painting, 2 credit hours
- ART 315 - Advanced Painting, 2 credit hours
- ART 315 - Advanced Painting, 2 credit hours (taken again for credit)

Photography

- ART 225 - Introduction to Photoshop, 2 credit hours
- ART 323 - Advanced Digital Photography, 2 credit hours
- ART 323 - Advanced Digital Photography, 2 credit hours (taken again for credit)

Printmaking

- ART 225 - Introduction to Photoshop, 2 credit hours
- ART 349 - Advanced Printmaking, 2 credit hours
- ART 349 - Advanced Printmaking, 2 credit hours (taken again for credit)

3D Studies

- ART 230 - Introduction To Jewelry And Metal Design, 2 credit hours
- ART 330 - Advanced Jewelry and Metal Design, 2 credit hours
- ART 347 - Advanced Sculpture, 2 credit hours

Studio Art Electives-- 6 credits required

- Choose 3 additional courses in Studio Art at the Intermediate or Advanced level.

History of Art--14 credits required

- ART 103D - Art of Our Time, 3 credit hours
- ART 231I - Western Art to 1400, 4 credit hours
- ART 232I - Western Art from 1400 to 1945, 4 credit hours
- ART 432I - Twentieth Century Art, 3 credit hours

Junior/ Senior Seminar:

Students majoring in Studio Art are required to enroll in the Junior Seminar course both semesters of their Junior year. Likewise, participation in the Senior Seminar is also required the final two semesters of the student's time at BW. A waiver to this requirement may be granted for the purpose of studying abroad. Please consult with your advisor about the implications to your Senior Exhibition before planning to study abroad.

- ART 363 - Junior Seminar- Portfolio Review & Critique, 0 credit hours (2 semesters required)
- ART 463 - Senior Seminar- Senior Art Exhibit, .5-1 credit hour (2 semesters required)

Minors

History of Art Minor

The History of Art minor consists of a total of **20** hours.

* Studio Art majors may not declare the History of Art minor.

Requirements:

- ART 103D - Art of Our Time, 3 credit hours
- ART 231I - Western Art to 1400, 4 credit hours
- ART 232I - Western Art from 1400 to 1945, 4 credit hours
- ART 234 - Survey of American Art from Colonial Times to 1945, 3 credit hours

- ART 235I - Topics in Non-Western Art, 3 credit hours
- ART 432I - Twentieth Century Art, 3 credit hours

Studio Art Minor

A minor in art concentrating in the studio area consists of a total of **18** hours.

Requirements:

- ART 110 - Drawing I, 2 credit hours
- ART 115 - Two Dimensional Design, 2 credit hours
- ART 116 - Three Dimensional Design, 2 credit hours
- ART 232I - Western Art from 1400 to 1945, 4 credit hours
- plus four studio courses of the student's choice. (excluding Graphic Design courses)

Arts Management

Majors

Arts Management & Entrepreneurship, B.A.

Minimum credits required: 49-50

Required Courses:

- AMG 102 - Introduction to Arts Management, 3 credit hours
- AMG 201 - Principles & Practices of Arts Management I, 3 credit hours
- AMG 202 - Principles & Practices of Arts Management II, 3 credit hours
- AMG 270 - On-campus Internship, 1-2 credit hours (2 credit hours required)
- AMG 301 - Public Relations, Marketing & Fundraising for the Arts Organization, 3 credit hours
- AMG 302 - Financial Management of Arts Organizations, 3 credit hours
- AMG 303 - Fundraising for the Arts, 3 credit hours
- AMG 370 - Internship, 3 credit hours
- AMG 401 - Senior Experience, 1 credit hour
- AMG 470 - Internship, credit to be arranged (3 credit hours required)
- ECN 100 - Survey of Economics, 3 credit hours
- ACC 211 - Intro to Financial Accounting, 3 credit hours
- BUS 215 - Introduction to Entrepreneurship, 3 credit hours
- BUS 315 - Managing a Growing Venture, 3 credit hours
- BUS 415X - Entrepreneurship Capstone Experience, 3 credit hours

Choose two of the following:

- MUL 310 - Music Business, 3 credit hours
- THE 286 - Theatre Management, 2 credit hours
- DAN 332 - Introduction to Teaching Dance/Movement, 2 credit hours
- ENG 308 - Nature Writing, 3 credit hours
- ENG 309SX - Grant Writing, 3 credit hours
- CAS 120 - Strategies in Public Relations, 3 credit hours

Note:

All Arts Management & Entrepreneurship majors are required to complete a minor (or major, where available) in an arts area to include: History of Arts, Studio Arts, English- Creative Writing, Dance, Film Studies, Music or Theatre.

Minors

Arts Management Minor

Minimum credits required: 26

Required Courses:

- AMG 102 - Introduction to Arts Management, 3 credit hours
- AMG 201 - Principles & Practices of Arts Management I, 3 credit hours
- AMG 370 - Internship, 3 credit hours
- ECN 100 - Survey of Economics, 3 credit hours

- ACC 211 - Intro to Financial Accounting, 3 credit hours

Choose two of the following:

- AMG 202 - Principles & Practices of Arts Management II, 3 credit hours
- AMG 301 - Public Relations, Marketing & Fundraising for the Arts Organization, 3 credit hours
- AMG 302 - Financial Management of Arts Organizations, 3 credit hours
- AMG 303 - Fundraising for the Arts, 3 credit hours

Five credits in one discipline:

All Arts Management minors are required to complete a total of 5 credits in a chosen arts discipline. All five credits must be in one discipline. Students may choose from the following arts disciplines: Art, English- Creative Writing, Dance, Film Studies, Music or Theatre.

Asian Studies

The primary goal of the Asian Studies Minor at Baldwin Wallace University is to serve students who have personal and professional interests in learning more about Asia. With Asia's increasing international presence and influence, it is crucial to understand this region's historical, political, economic, and social experiences for students who seek to work in areas of international business, politics, and comparative studies in various fields. The course works for the minor combine the social sciences and the humanities as they investigate many dimensions of Asian life.

A student wishing to declare an Asian Studies Minor is encouraged to meet with the director of the Asian Studies Minor early in the student's University study to develop a plan for completing the minor's requirements. Direct all questions related to the minor to its co-directors, Professor Ellen Posman in the Religion Department, or Professor Haesook Chae in the Political Science Department.

Minors

Asian Studies Minor

Students must earn a minimum of **20** credit hours distributed among the following requirements to complete the Asian Studies minor.

Requirements:

- ASN 100I - Understanding Asia, 4 credit hours

Complete one semester of Asian language: 4 credits

These Chinese courses are offered in the Foreign Languages Department at Baldwin Wallace University. Students with native speaking ability or those who have taken an Asian language course (e.g., Japanese, Korean, or Hindi) elsewhere are exempt from the language requirement. The latter group must show a transcript that includes such a course. Students with the language exemption must take another 4 credit hour elective course instead to complete the minimum requirement of the 19 credit hours.

- CHI 101 - Elementary Chinese I, 4 credit hours
- CHI 102 - Elementary Chinese II, 4 credit hours
- CHI 201 - Intermediate Chinese I, 4 credit hours
- CHI 202 - Intermediate Chinese II, 4 credit hours

Elective courses in Humanities and Social Sciences: 12 credits

Electives must include at least 2 courses at the 200-300 level and must include at least one course in Humanities and at least one course in Social Sciences.

The following courses count as electives:

Humanities:

- ART 235I - Topics in Non-Western Art, 3 credit hours
- ENG 335I - Studies in World Literature, 3 credit hours
- ENG 336(I,D) - Studies in Specific Genres, Themes or Modes, 3 credit hours (when focus is on Asia)
- HIS 236I - Women in Asian Civilizations, 3 credit hours
- HIS 267I - Vietnam War: Causes and Consequences, 3 credit hours
- HIS 288I - Islamic History 600-1800, 3 credit hours
- HIS 291I - History of East Asia I, 3 credit hours
- HIS 292I - History of East Asia II, 3 credit hours
- REL 101I - Religions of India, 3 credit hours

- REL 102I - Religions of China and Japan, 3 credit hours
- REL 201I - Buddhist Culture in Asia, 3 credit hours
- REL 393I Special Topics (when focus is on Asia), 3 credits

Social Sciences:

- ECN 362I - Economics of Developing Countries, 3 credit hours
- POL 314I - Comparative Foreign Relations, 3 credit hours (when focus is on Asia)
- POL 326I - Special Comparative Political Studies, 2-3 credit hours (when focus is on Asia)
- POL 327I - Political Change in Asia, 3 credit hours
- POL 363(I) - Seminar in Political Science, 2-3 credit hours (when focus is on Asia)
- SOC 350I - Modern China, 3 credit hours (crosslisted as BUS-463I)
- SOC 250(I) - Topics in Sociology, 3 credit hours (when focus is on Asia)

Astronomy

Courses in astronomy are offered by the Department of Physics and Astronomy. No major or minor in astronomy is currently being offered. All 100-level AST courses may be applied towards the Natural Science component of the Core general education requirements.

Biology

The objective of the biology curriculum in the Department of Biology & Geology is to provide a strong foundation in the scientific principles governing living organisms—from the molecular and cellular level to ecological and environmental interactions. The biology major emphasizes research, critical thinking, and communication in order to build the skills and knowledge needed to succeed in a biological career or graduate/professional school. Examples of graduate and professional degrees pursued by recent graduates include medicine, dentistry, pharmacy, veterinary medicine, genetic counseling, nursing, environmental science, and molecular biology. Employers of recent graduates include pharmaceutical companies, school systems, government agencies, zoos, research labs, environmental education centers, and biotechnology companies.

Majors

Biology, B.S.

Minimum credits required: **50.5/51.5**

All biology courses for the major have a prerequisite except BIO 121, BIO 122 & BIO 163.

Required courses

- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- BIO 211 - Genetics, 4 credit hours
- BIO 212 - Microbiology, 4 credit hours
- BIO 221 - General Zoology, 3 credit hours
- BIO 222 - General Botany, 3 credit hours
- BIO 163 - Freshman Biology Seminar, .5 credit hour
- BIO 263 - Sophomore Biology Seminar, 1 credit hour
- BIO 363 - Biology Seminar, 0 credit hours
- BIO 463 - Senior Biology Seminar, 1 credit hour
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour

At least one of the following Structure & Function Biology courses:

- BIO 330 - Gross Anatomy, 4 credit hours
- BIO 332 - Histology, 3 credit hours
- BIO 333 - Human Physiology, 4 credit hours
- BIO 337 - Plant Physiology, 4 credit hours
- BIO 351 - Head & Neck Anatomy and Facial Reconstruction, 4 credit hours

At least one of the following Cellular and Molecular Biology courses:

- BIO 314 - Molecular Ecology, 4 credit hours
- BIO 331 - Developmental Biology, 4 credit hours
- BIO 336 - Molecular Biology, 4 credit hours
- BIO 341 - Immunology, 4 credit hours

At least one of the following Environmental Biology courses:

- BIO 308 - Evolution of Animal Behavior, 4 credit hours

- BIO 309 - Vertebrate Natural History, 4 credit hours
- BIO 310 - Evolution, 4 credit hours
- BIO 311 - Conservation Biology, 4 credit hours
- BIO 313 - Ecology, 4 credit hours
- BIO 322 - Plant Evolution, 4 credit hours
- BIO 334 - Invertebrate Natural History, 4 credit hours
- GEO 315 - Hydrology, 4 credit hours
- GEO 316 - Soils and Geomorphology, 4 credit hours

Biology Electives: 6 credits

Additional biology courses totaling 6 credits are required bringing the minimum to 50.5/51.5 credits.

Additional Information

Courses in organic chemistry, physics, and statistics are recommended for students who expect to continue their education in graduate or professional school. The general biology sequence (BIO 121 and BIO 122) and BIO 163 - Freshman Biology Seminar, .5 credit hour should be taken during the freshman year. The BIO 263 - Sophomore Biology Seminar, 1 credit hour, BIO 221 - General Zoology, 3 credit hours, and BIO 222 - General Botany, 3 credit hours should be taken the sophomore year. The BIO 463 - Senior Biology Seminar, 1 credit hour should be taken either the Fall or Spring semester of the senior year. Biology majors are expected to take the BIO 363 - Biology Seminar, 0 credit hours every semester after their freshman year. The BIO 121, BIO 122 courses are prerequisites for all two, three, and four hundred level biology courses for majors.

Minors

Biology Minor

A minor in biology consists of a minimum of **17** semester credits of biology (BIO) courses.

We encourage students to consult a biology faculty member to help them develop a minor that best suits their needs.

Required:

- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours

Programs

Medical Technology

The Medical Technology Program is offered through the Department of Biology & Geology.

Before entering hospital training, students enrolled in the Medical Technology Program at Baldwin Wallace University may elect one of two options: the three-plus-one hospital-based program or the four-plus-one hospital-based program (Post-BS option). Both options require the fulfillment of the University requirements for graduation and also the following requirements of the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS):

Sixteen hours of biological sciences, including Microbiology, Immunology, Genetics or Molecular Biology, Anatomy and Physiology; 16 hours of chemistry including Organic or Biochemistry; Statistics; the bachelor's degree, and a 12 month hospital training program.

Before admission to the hospital training program, a student's transcript is evaluated by the registrar and sent to the hospital at the student's request. Requests for this evaluation, as well as an application for admission to the hospital school of medical technology, should be submitted about one year prior to entrance into the hospital training program.

Priority will be given to students enrolled in the three-one program; however, acceptance is not guaranteed.

Upon satisfactory completion of one year of hospital training, the student receives a Bachelor of Science degree with a major in biology and is then eligible to take a National Certification Examination. Four hours from the hospital training program will count toward the Biology major at Baldwin Wallace.

Students will receive close personal counseling. A faculty advisor with practical experience and genuine concern will work with any student who seeks this help. Periodically, there are opportunities to visit medical technology laboratories and to interact with professionals, as well as students, currently in training.

Students interested in a three-plus-one option should consult with the Medical Technology Program Coordinator.

Business Administration

The School of Business trains students to become contributing members of today's corporate, entrepreneurial, public and non-profit organizations. While an objective of the School is to prepare a person for specific career orientation, the School recognizes that the student must also develop into an individual ready to adapt to personal and social problems as well as to a constantly changing global, competitive environment. Communication and leadership skills are critical and will be honed through experiential learning, internship opportunities, and student organizational involvement. Prior to entering a specialized curriculum, students will broaden their preparation in written and oral communications, the social and natural sciences, mathematics and other courses that will prepare them for a lifetime of learning.

Special Note: A course taken as an elective for a BUS major cannot be used as an elective to satisfy the requirements of another BUS major or minor.

2+2 Transfer Program in Business Administration

Baldwin Wallace University accepts transfer credit earned in approved AAB programs toward the Bachelor of Arts degree with a major in business administration. The approved programs offered by the area community colleges with which the affiliations exist are:

CUYAHOGA COMMUNITY COLLEGE

- Accounting
- Accounting, concentration in Accounting Theory
- Business Management
- Business Management, concentration in Small Business
- Industrial Management
- Marketing
- Marketing, concentration in Professional Selling

LAKELAND COMMUNITY COLLEGE

- Accounting
- Business Management, with approved electives in Accounting, Business or Marketing
- Marketing

LORAIN COUNTY COMMUNITY COLLEGE

- Accounting
- Banking and Finance

Associate's to Bachelor's Program (A2B)

Baldwin Wallace University offers a streamlined Bachelor's Degree completion program that is open to adult students with work experience who have earned an Associate's Degree from a regionally-accredited institution. This program is designed for students seeking majors of Exercise Science, Health Care Management, Management, or Organizational Leadership. Students must apply and be admitted to Baldwin Wallace University. In the A2B program, the Associate's Degree covers most of the Core Curriculum requirements at BW. The student, meeting certain criteria, can complete the Bachelor's Degree in as few as 21 courses at BW. The program is designed for qualifying Associate Degree graduates who may enroll part-time or full-time at either Berea or Beachwood locations.

Majors

Accounting, B.A.

The Accounting Major provides both technical accounting and financial skills and the broad functional business background necessary to succeed in this challenging career field. New financial instruments and accounting

pronouncements are being developed constantly. Tax laws are ever changing. While Accounting expertise is critical, managers in the field must make recommendations and decisions with the 'big picture' in mind and communicate information in an open and understandable way to both external and internal users.

Minimum credits required: **60**

Required Foundation Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- ACC 245 - Bloomberg & Excel Certifications, 3 credit hours
- MTH 121 - Applied College Mathematics, 3 credit hours

Required Business Administration Courses

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 365 - Introduction to Business Analytics, 3 credit hours
- BUS 451 - Management Strategy & Policy, 4 credit hours

Required Accounting Courses

- ACC 316 - Cost Accounting & Analysis, 3 credit hours
- ACC 321 - Intermediate Accounting I, 4 credit hours
- ACC 322 - Intermediate Accounting II, 4 credit hours
- ACC 407 - Individual Taxation, 3 credit hours
- ACC 419 - Auditing Principles, 3 credit hours

Additional Requirements

Students majoring in Accounting must also meet these requirements:

1. At least six (6) courses at the 300-400 level must be completed in the School of Business at Baldwin Wallace University.
2. Students planning to attend graduate school are encouraged to take calculus.
3. A maximum of 4 semester hours of a D grade in a required ACC/BUS prefix course may be counted toward the major.

Business Administration, B.A.

Minimum credits required: **58**

Required Foundation Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours (not required of students who completed CSC 210)
- MTH 121 - Applied College Mathematics, 3 credit hours

Required Business Administration Courses

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 365 - Introduction to Business Analytics, 3 credit hours
- BUS 451 - Management Strategy & Policy, 4 credit hours

Elective Business Administration Courses

- Five elective courses at the 300-400 level, 15 credit hours

Two of the five elective courses must be taken at Baldwin Wallace University.

Additional Requirements

Students majoring in Business Administration must also meet these requirements:

1. At least six (6) courses at the 300-400 level must be completed in the School of Business at Baldwin Wallace University.
2. Students planning to attend graduate school are encouraged to take calculus.
3. A maximum of 4 semester hours of a D grade in a required ACC/BUS prefix course may be counted toward the major.

Finance, B.A.

The field of financial management, now more than ever, needs ethical professionals with a broad educational background. Financial management examines the sources and uses of funds within an organization, the returns and risks related to an organization's working capital and capital budgeting decisions. Financial curriculum prepares students for challenging and fast-paced positions in financial planning, investment, and services in both public and private sector finance.

Minimum credits required: **58**

Required Foundation Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- ACC 245 - Bloomberg & Excel Certifications, 3 credit hours
- MTH 121 - Applied College Mathematics, 3 credit hours

Required Business Administration Courses

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 365 - Introduction to Business Analytics, 3 credit hours

- BUS 451 - Management Strategy & Policy, 4 credit hours

Required Finance Courses

- BUS 446 - Intermediate Finance, 3 credit hours
- BUS 447 - Financial Modeling Capstone, 3 credit hours

Finance Elective Courses

Choose three of the following Finance elective courses:

- ACC 321 - Intermediate Accounting I, 4 credit hours
- BUS 341 - Behavioral Finance, 3 credit hours
- BUS 444I - International Financial Management, 3 credit hours
- BUS 445 - Principles of Investments, 3 credit hours
- BUS 465 - Risk Management in Financial Institutions, 3 credit hours
- ECN 339 - Money & Banking, 3 credit hours

Additional Requirements

Students majoring in Finance must also meet these requirements:

1. At least six (6) courses at the 300-400 level must be completed in the School of Business at Baldwin Wallace University.
2. Students planning to attend graduate school are encouraged to take calculus.
3. A maximum of 4 semester hours of a D grade in a required ACC/BUS prefix course may be counted toward the major.

Health Care Management, B.A.

The Health Care Management Major promotes an understanding of America's complex and evolving health care system and increases the competencies of students pursuing careers as managers and leaders in that field. Students will analyze perspectives, methods, and values associated with the delivery, management and finance of health services. They will evaluate health data, payments systems, management practices, ethical principles, public policies, promotional strategies and system designs to discover ways to meet the demand for effective, affordable, efficient and responsible health care.

The major promotes organizational insight and managerial ability for those who desire leadership positions in health-related enterprises. The curriculum is designed to meet the needs of both health care professionals with technical/clinical degrees as well as those of traditional undergraduate students. The curriculum in total is also geared toward enhancing student knowledge of the health care environment, oral and written presentation skills as well as overall problem solving skills.

Minimum credits required: **65**

Required Foundation Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours (not required of students who completed CSC 210)
- MTH 121 - Applied College Mathematics, 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- OR**
- MTH 108 - Biostatistics, 3 credit hours

Required Health and Physical Education Course

- HPE 206 - Medical Terminology, 2 credit hours

Required Natural Science Course

Choose one course from the following:

- BIO 101 - Human Biology, 3 credit hours
- BIO 203 - Human Anatomy and Physiology I, 4 credit hours

Required School of Business Courses

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 365 - Introduction to Business Analytics, 3 credit hours
- BUS 367 - Health Care Law and Ethics, 3 credit hours
- BUS 451 - Management Strategy & Policy, 4 credit hours

Required Health Care Management Courses

- BUS 170 - Explorations in Healthcare Careers, 1 credit hour
- BUS 070X - Internship, 1-12 credit hours (1 credit hour required)
- BUS 357 - Introduction to American Health Care, 3 credit hours
- BUS 377 - Health Care Finance, 3 credit hours
- BUS 487 - Problem Solving and Applied Health Care Management, 3 credit hours

Complete two of the following courses:

- HPE 315 - Foundations of Health Education, 3 credit hours
- HPE 345 - Fitness & Health Promotion Program Management & Leadership, 3 credit hours
- PHT 170 - Introduction to Public Health, 3 credit hours
- PHT 370 - Health Policy & Public Health, 3 credit hours
- PHT 373S - Community Health Planning, 3 credit hours

Two of the required Business Health Care Management courses must be taken at Baldwin Wallace University.

Note: The capstone course can only be taken as the last course in the Health Care Management Major. With prior approval, it can be taken simultaneously with another Health Care Management Major course.

Students pursuing this major may consider a major in Health Coaching and Health Promotion, B.A. or Public Health, B.S.

Internship

An internship in, or an independent research project for a health or community agency is required for any student who does not have a minimum of one year of health-care-related work experience. It is also required that students with

more than one year of health-care-related work experience participate in an experience that would broaden their focus and understanding of the overall health care world.

Mentoring Program

Baldwin Wallace University will work with the students in this program to make available mentors from the various healthcare industries to allow the student to have a greater appreciation of the “real world of healthcare.”

Recommended courses that are not required for the Health Care Management Major:

- MTH 153 - Design and Analysis of Experiments, 3 credit hours

Additional Requirements

Students majoring in Health Care Management must also meet these requirements:

1. At least six (6) courses at the 300-400 level must be completed in the School of Business at Baldwin Wallace University.
2. Students planning to attend graduate school are encouraged to take calculus.
3. A maximum of 4 semester hours of a D grade in a required ACC/BUS prefix course may be counted toward the major.

Human Resource Management, B.A.

The Human Resource Management Major provides knowledge in the technical areas of Employment Law, Staffing and Development, Compensation, and Human Resource Strategy. This curriculum aligns with the Society for Human Resource Management recommended course of study. Understanding of the overall organizational strategy and business environments is accompanied by experience in the application of current Human Resource business practices. This knowledge and skill base prepares students to work in both large corporations and small entrepreneurial firms. The Society for Human Resource Management (SHRM) has identified the curriculum at Baldwin Wallace University as aligning with their professional guidelines and requirements. Our curriculum is approved by the Human Resources Certification Institute (HRCI). All for-credit human resources credit, both undergraduate and graduate, is acceptable for HRCI continuing education.

Minimum credits required: **58**

Required Foundation Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours (not required of students who completed CSC 210)
- MTH 121 - Applied College Mathematics, 3 credit hours

Required Business Administration Courses

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 365 - Introduction to Business Analytics, 3 credit hours
- BUS 451 - Management Strategy & Policy, 4 credit hours

Required Human Resource Courses

- BUS 409D - Behavioral Theories of Management, 3 credit hours
OR
- BUS 406I - International Organizational Behavior and Management, 3 credit hours

- BUS 410 - Human Resource Management, 3 credit hours
- BUS 411 - Compensation, 3 credit hours
- BUS 412 - Employment Law, 3 credit hours
- BUS 413(X) - Staffing and Development, 3 credit hours

Two of the Human Resource courses must be taken at Baldwin Wallace University.

Additional Requirements

Students majoring in Human Resource must also meet these requirements:

1. At least six (6) courses at the 300-400 level must be completed in the School of Business at Baldwin Wallace University.
2. Students planning to attend graduate school are encouraged to take calculus.
3. A maximum of 4 semester hours of a D grade in a required ACC/BUS prefix course may be counted toward the major.

International Business, B.A.

The International Business major and minor prepares students to understand diverse cultures, experience a foreign culture, and demonstrate competency in international business practices. The International Business major consists of core Business Courses, international Business courses, a required study abroad experience, and an interdisciplinary requirement.

Minimum credits required: **58**

Required Foundation Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours (not required of students who completed CSC 210)
- MTH 121 - Applied College Mathematics, 3 credit hours

Required Business Administration Courses

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 365 - Introduction to Business Analytics, 3 credit hours
- BUS 451 - Management Strategy & Policy, 4 credit hours

Required International Business Course

- BUS 310I - Introduction to International Business, 3 credit hours

Elective International Business Courses

Choose four International Business elective courses:

- BUS 351I - Global Strategies, 3 credit hours
- BUS 352 - International Logistics, 3 credit hours
- BUS 360I - Political & Social Responsibility of Multinational Corporation, 3 credit hours
- BUS 406I - International Organizational Behavior and Management, 3 credit hours
- BUS 436I - International Marketing, 3 credit hours
- BUS 444I - International Financial Management, 3 credit hours

Two of the International Business elective courses must be taken at Baldwin Wallace University.

Required Study Abroad or Internship Abroad

Study abroad is defined as an approved program of study that includes significant time abroad. Semester long programs are encouraged.

Additional Requirements

Students majoring in International Business must also meet these requirements:

1. At least six (6) courses at the 300-400 level must be completed in the School of Business at Baldwin Wallace University.
2. Students planning to attend graduate school are encouraged to take calculus.
3. A maximum of 4 semester hours of a D grade in a required ACC/BUS prefix course may be counted toward the major.

Management, B.A.

Management majors understand how to manage the key resources in today's organizations. Management focuses on the functions of managers from a holistic, systematic perspective with an emphasis on leadership, group dynamics, project management, and behavioral interactions to create organizational effectiveness. Management is a cross-disciplinary field that provides a theoretical knowledge base accompanied by applied learning.

Minimum credits required: 58

Required Foundation Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours (not required of students who completed CSC 210)
- MTH 121 - Applied College Mathematics, 3 credit hours

Required Business Administration Courses

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 365 - Introduction to Business Analytics, 3 credit hours
- BUS 451 - Management Strategy & Policy, 4 credit hours

Elective Management Courses

Five elective courses in Management for 15 credits, choose from:

- ECN 349D - Labor Economics, 3 credit hours
- BUS 310I - Introduction to International Business, 3 credit hours
- BUS 325 - Organizational Project Management, 3 credit hours
- BUS 329 - Business Ethics, 3 credit hours
- BUS 350 - Green Business, 3 credit hours
- BUS 351I - Global Strategies, 3 credit hours
- BUS 405 - Leadership Excellence, 3 credit hours

- BUS 406I - International Organizational Behavior and Management, 3 credit hours
OR
- BUS 409D - Behavioral Theories of Management, 3 credit hours

- BUS 410 - Human Resource Management, 3 credit hours
- BUS 431 - Supply Chain Management, 3 credit hours

Two of the five elective courses must be taken at Baldwin Wallace University.

Additional Requirements

Students majoring in Management must also meet these requirements:

1. At least six (6) courses at the 300-400 level must be completed in the School of Business at Baldwin Wallace University.
2. Students planning to attend graduate school are encouraged to take calculus.
3. A maximum of 4 semester hours of a D grade in a required ACC/BUS prefix course may be counted toward the major.

Marketing, B.A.

The Marketing Major offers an integrative approach to understanding and solving contemporary marketing challenges. The curriculum provides students with an understanding of core marketing tools including consumer analysis, market research, communication, and strategic planning. Students then apply these marketing tools in the development of marketing plans, case studies, and actual marketing strategies. Coursework prepares students for careers in advertising, sales, product development, marketing management, market research, and account management.

Minimum credits required: **58**

Required Foundation Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours (not required of students who completed CSC 210)
- MTH 121 - Applied College Mathematics, 3 credit hours

Required Business Administration Courses

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours

- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 365 - Introduction to Business Analytics, 3 credit hours
- BUS 451 - Management Strategy & Policy, 4 credit hours

Elective Marketing Courses

Five elective courses in Marketing for 15 credits, choose from:

- BUS 331 - Services Marketing, 3 credit hours
- BUS 332 - B2B Marketing, 3 credit hours
- BUS 333 - Advertising Management, 3 credit hours
- BUS 334 - Salesmanship & Sales Management, 3 credit hours
- BUS 336 - Brand Management, 3 credit hours
- BUS 337 - E-marketing, 3 credit hours
- BUS 338 - Consumer Behavior, 3 credit hours
- BUS 431 - Supply Chain Management, 3 credit hours
- BUS 432 - Marketing Research & Information Systems, 3 credit hours
- BUS 436I - International Marketing, 3 credit hours

Two of the five elective courses must be taken at Baldwin Wallace University.

Additional Requirements

Students majoring in Marketing must also meet these requirements:

1. At least six (6) courses at the 300-400 level must be completed in the School of Business at Baldwin Wallace University.
2. Students planning to attend graduate school are encouraged to take calculus.
3. A maximum of 4 semester hours of a D grade in a required ACC/BUS prefix course may be counted toward the major.

Organizational Leadership, B.A.

Successful organizations demand successful leaders at all levels. This major focuses on an understanding of human behavior and leadership theory and practice. The Organizational Leadership program integrates courses from across disciplines to stimulate both critical and creative thinking. The broad, interdisciplinary curriculum provides the framework necessary for managing and leading in today's team-based organizations. The Organizational Leadership major is available to adults with work experience who are registered in the Adult & Continuing Education Program. This major is well suited to occupations in the area of human resources, training and development, other non-fiscal managerial positions.

OL majors may choose to double major in Psychology, Sociology, or Business, or complete a minor in one or more of those fields by counting the required courses in both areas. The Human Resources certificate program also meshes well with the OL major.

Minimum credits required: **49-50**

Required courses:

- BUS 213 - Accounting & Finance Essentials, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 325 - Organizational Project Management, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 405 - Leadership Excellence, 3 credit hours
- BUS 410 - Human Resource Management, 3 credit hours

- BUS 454 - Organizational Leadership Capstone, 3 credit hours
 - ECN 100 - Survey of Economics, 3 credit hours
 - PSY 100 - Principles of Psychological Science, 3 credit hours
 - PSY 320 - Industrial/Organizational Psychology, 4 credit hours
 - CAS 112 - Presentational Speaking, 3 credit hours
 - CSC 141 - Advanced Applications for Information Analysis, 3 credit hours
-
- BUS 326 - Legal Environment of Organizations, 3 credit hours
OR
 - BUS 329 - Business Ethics, 3 credit hours
-
- BUS 406I - International Organizational Behavior and Management, 3 credit hours
OR
 - BUS 409D - Behavioral Theories of Management, 3 credit hours
-
- MTH 121 - Applied College Mathematics, 3 credit hours
OR
 - MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours

Minors

Accounting Minor

26 credit hours

Required Foundation Courses:

- ECN 100 - Survey of Economics, 3 credit hours ^
- ECN 279 - Basic Statistical Methods, 3 credit hours

Required Business Administration Courses:

- BUS 208 - Introduction to Business, 3 credit hours #
- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- ACC 321 - Intermediate Accounting I, 4 credit hours
- ACC 322 - Intermediate Accounting II, 4 credit hours

Elective Accounting Course:

Choose one of the following:

- ACC 316 - Cost Accounting & Analysis, 3 credit hours
- ACC 407 - Individual Taxation, 3 credit hours
- ACC 419 - Auditing Principles, 3 credit hours

Note:

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

The sequence of BUS 305, BUS 326, & BUS 330 can be substituted for BUS 208

Business Administration Minor

27 credit hours

Required Foundation Courses:

- ECN 100 - Survey of Economics, 3 credit hours ^
- ECN 279 - Basic Statistical Methods, 3 credit hours

Required Business Administration Courses:

- BUS 208 - Introduction to Business, 3 credit hours #
- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours

Elective Business Administration Courses

- Three Business Administration courses at the 300-400 level 9 credits

Note:

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

The sequence of BUS 305, BUS 326, & BUS 330 can be substituted for BUS 208

Entrepreneurship Minor

18 credit hours

The Entrepreneurship Minor provides a framework to understand the mindset, behaviors, experiences and skills of an entrepreneur; how an entrepreneurial business is planned, started and transitioned to the growth stage; and culminates in the development of a complete business plan. Key components to coursework include learning how to evaluate growth objectively, anticipate problems, develop pragmatic solutions and assemble the resources to implement a strategic vision.

Required Foundation Courses

- ECN 100 - Survey of Economics, 3 credit hours ^

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

Required Business Administration Courses

- BUS 213 - Accounting & Finance Essentials, 3 credit hours *
- BUS 330 - Introduction to Marketing, 3 credit hours

* The sequence of ACC 211, ACC 212 and BUS 342 can be substituted for BUS 213

Entrepreneurship Courses

- BUS 215 - Introduction to Entrepreneurship, 3 credit hours
- BUS 315 - Managing a Growing Venture, 3 credit hours
- BUS 415X - Entrepreneurship Capstone Experience, 3 credit hours

Finance Minor

27 credit hours

Required Foundation Courses:

- ECN 100 - Survey of Economics, 3 credit hours ^
- ECN 279 - Basic Statistical Methods, 3 credit hours

Required Business Administration Courses:

- BUS 208 - Introduction to Business, 3 credit hours #
- ACC 211 - Intro to Financial Accounting, 3 credit hours
- ACC 212 - Intro to Managerial Accounting, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 446 - Intermediate Finance, 3 credit hours

Elective Finance Courses:

Two elective courses in Finance, 6 credits, choose from:

- BUS 341 - Behavioral Finance, 3 credit hours
- BUS 444I - International Financial Management, 3 credit hours
- BUS 445 - Principles of Investments, 3 credit hours
- BUS 465 - Risk Management in Financial Institutions, 3 credit hours

Note:

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

The sequence of BUS 305, BUS 326, & BUS 330 can be substituted for BUS 208

Health Care Management Minor

24 credit hours

Required Foundation Courses:

- ECN 100 - Survey of Economics, 3 credit hours ^
- ECN 279 - Basic Statistical Methods, 3 credit hours

Required Business Administration Courses:

- BUS 208 - Introduction to Business, 3 credit hours #
- ACC 211 - Intro to Financial Accounting, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours

Health Care Management Courses

- BUS 357 - Introduction to American Health Care, 3 credit hours

Choose two courses from the following:

- BUS 367 - Health Care Law and Ethics, 3 credit hours
- BUS 377 - Health Care Finance, 3 credit hours
- BUS 409D - Behavioral Theories of Management, 3 credit hours

Note:

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

The sequence of BUS 305, BUS 326, & BUS 330 can be substituted for BUS 208

Human Resource Management Minor

24 credit hours

Required Foundation Courses

- ECN 100 - Survey of Economics, 3 credit hours ^

Required Business Administration Courses

- BUS 208 - Introduction to Business, 3 credit hours #
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 410 - Human Resource Management, 3 credit hours

Elective Human Resource Management Courses

Three elective courses in H.R. Management 9 credits, choose from:

- BUS 409D - Behavioral Theories of Management, 3 credit hours
- BUS 411 - Compensation, 3 credit hours
- BUS 412 - Employment Law, 3 credit hours
- BUS 413(X) - Staffing and Development, 3 credit hours

Note:

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

The sequence of ACC 211, ACC 212, & BUS 330 can be substituted for BUS 208

International Business Minor

18 credit hours

Required Foundation Courses

- ECN 100 - Survey of Economics, 3 credit hours ^

Required Business Administration Courses

- BUS 208 - Introduction to Business, 3 credit hours #
- BUS 310I - Introduction to International Business, 3 credit hours

Choose 3 of the following electives:

- BUS 351I - Global Strategies, 3 credit hours
- BUS 352 - International Logistics, 3 credit hours
- BUS 360I - Political & Social Responsibility of Multinational Corporation, 3 credit hours
- BUS 406I - International Organizational Behavior and Management, 3 credit hours
- BUS 436I - International Marketing, 3 credit hours
- BUS 444I - International Financial Management, 3 credit hours

Note:

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

The sequence of ACC 211, ACC 212, & BUS 330 can be substituted for BUS 208

Management Minor

21 credit hours

Required Foundation Courses

- ECN 100 - Survey of Economics, 3 credit hours ^

Required Business Administration Courses

- BUS 208 - Introduction to Business, 3 credit hours #
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours

Elective Management Courses

Three elective courses in Management for 9 credits, choose from:

- ECN 349D - Labor Economics, 3 credit hours
- BUS 310I - Introduction to International Business, 3 credit hours
- BUS 325 - Organizational Project Management, 3 credit hours
- BUS 329 - Business Ethics, 3 credit hours
- BUS 350 - Green Business, 3 credit hours
- BUS 351I - Global Strategies, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 405 - Leadership Excellence, 3 credit hours

- BUS 406I - International Organizational Behavior and Management, 3 credit hours
OR
- BUS 409D - Behavioral Theories of Management, 3 credit hours

- BUS 410 - Human Resource Management, 3 credit hours
- BUS 431 - Supply Chain Management, 3 credit hours

Note:

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

The sequence of ACC 211, ACC 212, & BUS 330 can be substituted for BUS 208

Marketing Minor

21 credit hours

Required Foundation Courses

- ECN 100 - Survey of Economics, 3 credit hours ^

Required Business Administration Courses

- BUS 208 - Introduction to Business, 3 credit hours #
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours

Elective Marketing Courses

Three elective courses in Marketing for 9 credits, choose from:

- BUS 331 - Services Marketing, 3 credit hours
- BUS 332 - B2B Marketing, 3 credit hours
- BUS 333 - Advertising Management, 3 credit hours
- BUS 334 - Salesmanship & Sales Management, 3 credit hours
- BUS 336 - Brand Management, 3 credit hours
- BUS 337 - E-marketing, 3 credit hours
- BUS 338 - Consumer Behavior, 3 credit hours
- BUS 431 - Supply Chain Management, 3 credit hours
- BUS 432 - Marketing Research & Information Systems, 3 credit hours
- BUS 436I - International Marketing, 3 credit hours

Note:

^ The sequence of ECN 201 and ECN 202 can be substituted for ECN 100

The sequence of ACC 211, ACC 212, & BUS 305 can be substituted for BUS 208

Programs

Business Honors Track

The School of Business Honors Program provides a challenging opportunity for exceptional business majors. The initial focus of this offering promotes a predisposition toward the exploration of contemporary business issues that can reshape the business world. More specifically, its focus will enhance the student's self-awareness of one's potential and the development of professional research, writing and presentation skills. Sophomore and junior students are invited to apply for admission to the School of Business Honors Program during the fall and spring semesters of each academic school year.

Students currently enrolled in the University Honors Program are encouraged to consider the Business Honors Program. Students with a 3.5 GPA or better are eligible to apply to the Business Honors Program in the second semester of their sophomore year or later. Students NOT in any honors program at BWU may take business honors courses if they hold a GPA of 3.5 or better and obtain permission from the Business Honors Director, Dr. Susan Kuznik, and the course instructor.

Minimum credits required: 10-12 credits

Required Courses:

- BUS 290H - Fire Hoses & Teacups, 3 credit hours
- BUS 461H - Consulting Proposal Development, 4 credit hours

Elective Courses:

Three to five Business Honors elective credits are required. BUS 363(H) topics include studies of contemporary issues (e.g. biomimicry, marijuana, eco-efficiency, international cultures).

Note: * BUS 461H, when satisfactorily completed, substitutes for the BUS 451 capstone requirement.

Business Honors Recognition:

All Business Honors courses must be taken for a letter grade, A+ through F; they may not be taken on an S/U basis. Students who successfully complete the required business honors course requirements (10-12 credit hours earning grades of 3.0 or better) and who have achieved a cumulative grade point average of 3.5 or higher will, upon graduation, receive the recognition "Graduating with Business Distinction" on their transcript.

Chemistry

The Department of Chemistry provides a general knowledge of chemistry and prepares students for professional work in chemistry, graduate school, or professional schools of medicine, pharmacy or engineering.

Beginning Courses in Chemistry

CHM 111, CHM 112 & CHM 115 are the regular introductory chemistry courses for those students who will need a substantial chemistry background and who have successfully completed high school chemistry. Any qualified student should take this course sequence since it is considered a prerequisite for every other course in the department.

Majors

Chemistry, B.S.

Minimum credits required: **53.5** credits

Required courses

- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- CHM 221 - Quantitative Analysis, 3 credit hours
- CHM 225 - Quantitative Analysis Laboratory, 1 credit hour
- CHM 251 - Organic Chemistry I, 4 credit hours
- CHM 252 - Organic Chemistry II, 4 credit hours
- CHM 255 - Organic Chemistry I Laboratory, .5 credit hour
- CHM 256 - Organic Chemistry II Laboratory, 1 credit hour

- CHM 331 - Physical Chemistry, 3 credit hours
OR
- CHM 332 - Physical Chemistry II, 3 credit hours

- CHM 335 - Physical Chemistry Lab, 1 credit hour
- CHM 364 - Junior Chemistry Seminar, .5 credit hour
- CHM 464 - Senior Chemistry Seminar I, 1 credit hour
- CHM 465 - Senior Chemistry Seminar II, .5 credit hour
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours

- PHY 131 - General Physics I, 4 credit hours
- PHY 151 - Introductory Physics Lab I, 1 credit hour
OR
- PHY 145 - Applied College Physics I, 5 credit hours
Either PHY 131 along with PHY 151 or PHY 145, but not both, may be taken for credit.

- PHY 132 - General Physics II, 4 credit hours
- PHY 152 - Introductory Physics Lab II, 1 credit hour
OR
- PHY 146 - Applied College Physics II, 5 credit hours
Either PHY 132 along with PHY 152 or PHY 146, but not both, may be taken for credit.

A minimum of 6 credits from the following [300 level] courses:

(Labs do not count as individual courses.)

- CHM 311 - Biochemistry, 3 credit hours
- CHM 315 - Biochemistry Laboratory, 1 credit hour
- CHM 321 - Instrumental Analysis, 3 credit hours
- CHM 325 - Instrumental Analysis Laboratory, 1 credit hour
- CHM 341 - Inorganic Chemistry, 3 credit hours
- CHM 345 - Inorganic Chemistry Laboratory, 1 credit hour
- CHM 351 - Organic Spectroscopy, 2 credit hours
- CHM 352 - Polymer Chemistry, 3 credit hours

A minimum of one credit from the following courses:

- CHM 411 - Topics in Biochemistry, .5-2 credit hours
- CHM 421 - Topics in Analytical Chemistry, .5-2 credit hours
- CHM 431 - Topics in Physical Chemistry, .5-2 credit hours
- CHM 441 - Topics in Inorganic Chemistry, .5-2 credit hours
- CHM 451 - Topics in Organic Chemistry, .5-2 credit hours

More intensive options for the major include:

1. Certification by the American Chemical Society as a professional chemist;
2. Preparation for work toward an advanced degree in chemistry.

The pattern of study is based on the recommendations outlined by the Committee on Professional Training of the American Chemical Society for the ACS certified degree. A copy outlining the various possibilities may be obtained from the department secretary.

Minors

Chemistry Minor

Minimum credits required: 22.5

Consultation with the Chemistry Department is encouraged.

Students interested in teacher certification must take the required courses in education. See Education

- CHM 111 - General Chemistry I, 4 credit hours
 - CHM 112 - General Chemistry II, 4 credit hours
 - CHM 115 - General Chemistry Lab, 1 credit hour
 - CHM 251 - Organic Chemistry I, 4 credit hours
 - CHM 252 - Organic Chemistry II, 4 credit hours
 - CHM 255 - Organic Chemistry I Laboratory, .5 credit hour
 - CHM 256 - Organic Chemistry II Laboratory, 1 credit hour
-
- CHM 221 - Quantitative Analysis, 3 credit hours and
 - CHM 225 - Quantitative Analysis Laboratory, 1 credit hour
- OR**
- CHM 281 - Environmental Chemistry, 3 credit hours and
 - CHM 285 - Environmental Chemistry Laboratory, 1 credit hour

Communication Arts and Sciences

Interested in Web Design?

Please see the Digital Media and Design: Graphic Design, B.A. or Digital Media and Design: Interactive Design, B.A. major.

Majors

Applied Communication Studies for Adult and Continuing Education Students, B.A.

Minimum credits required: **37-40** (plus prerequisites as indicated)

Required courses

- CAS 102 - Interpersonal Communication, 3 credit hours
- CAS 112 - Presentational Speaking, 3 credit hours
- CAS 126 - Introduction to Communication, 3 credit hours
- CAS 207 - Group Communication and Leadership, 3 credit hours
- CAS 212 - Business and Professional Communication, 3 credit hours
- CAS 275 - Propaganda and Persuasion, 3 credit hours
- CAS 307 - Nonverbal Communication, 3 credit hours
- CAS 350 - Organizational Communication, 3 credit hours
- CAS 377 - Communication Theory, 3 credit hours
- CAS 476 - Capstone in Communication Studies, 3 credit hours

Choose one of the following courses:

- CAS 277D - Media and Diversity, 3 credit hours
- CAS 285D - Introduction to Intercultural Communication, 3 credit hours

Choose two of the following courses:

- CAS 263 - Seminar, 1-4 credit hours
- CAS 328(D) - Studies in Communication, 3 credit hours

Broadcasting and Mass Communication, B.A.

This major blends the theory, skills, and strategies essential in the production and understanding of mass media. Students will combine academic coursework with "on-air" experience. Student who complete this major are expected to be proficient in the skills required for success in broadcasting and the knowledge required to be responsible broadcasters.

Minimum credits required: **51** (plus prerequisites as indicated)

Required Courses

- CAS 107 - Film and Culture, 3 credit hours
OR
- CAS 108I - International Cinema and Aesthetics, 3 credit hours
- CAS 121 - Audio for Media, 2 credit hours

- CAS 126 - Introduction to Communication, 3 credit hours
- CAS 161 - Radio Production and Air Studio Management, 2 credit hours
- CAS 171 - Fundamentals of Television Production, 3 credit hours
- CAS 207 - Group Communication and Leadership, 3 credit hours
- CAS 226 - Writing for the Media, 3 credit hours
- CAS 275 - Propaganda and Persuasion, 3 credit hours
- CAS 377 - Communication Theory, 3 credit hours
- CAS 426 - Broadcast Programming, 2 credit hours
- CAS 428 - Broadcast Law and Ethics, 3 credit hours
- CAS 470X - Internship, Credit hours to be arranged (3 credit hours required)
- CAS 478 - Capstone in Broadcasting, 3 credit hours

Six credits from any combination of the following practicum courses:

- CAS 261X - DJ Format Shift, 2 credit hours
- CAS 271 - Participation in BW-TV, 3 credit hours
- CAS 361 - Participation in WBWC, 1 or 2 credit hours
- CAS 371 - Advanced Production, 3 credit hours

Additional Requirements

Requirements in other departments include:

- CAS 232 - Workshop in Journalism, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 333 - Advertising Management, 3 credit hours

Communication Studies, B.A.

The major in Communication Studies is designed to provide the student with the opportunity to develop applied communication skills within a framework of communication theory, research, and experiential learning. Coursework prepares the student for graduate work as well as careers in corporate and/or nonprofit organizations.

Minimum credits required: **43-45** (plus prerequisites as indicated)

Required Courses

- CAS 102 - Interpersonal Communication, 3 credit hours
- CAS 112 - Presentational Speaking, 3 credit hours
- CAS 126 - Introduction to Communication, 3 credit hours
- CAS 207 - Group Communication and Leadership, 3 credit hours
- CAS 212 - Business and Professional Communication, 3 credit hours
- CAS 275 - Propaganda and Persuasion, 3 credit hours
- CAS 307 - Nonverbal Communication, 3 credit hours
- CAS 350 - Organizational Communication, 3 credit hours
- CAS 377 - Communication Theory, 3 credit hours
- CAS 411 - Introduction to Communication Research Methods, 3 credit hours
- CAS 412 - Advanced Communication Research Methods, 3 credit hours
- CAS 470X - Internship, Credit hours to be arranged (2 credit hours required)
- CAS 476 - Capstone in Communication Studies, 3 credit hours

Complete one of the following:

- CAS 277D - Media and Diversity, 3 credit hours
- CAS 285D - Introduction to Intercultural Communication, 3 credit hours

Complete one of the following:

- CAS 263 - Seminar, 1-4 credit hours
- CAS 328(D) - Studies in Communication, 3 credit hours

Film Studies, B.A.

The interdisciplinary film major encourages students to explore the relationship between film as an expressive art, and the interaction between films and the culture of which they are a part. The film major emphasizes critical, theoretical, and practical coursework which should provide the student with both an academic and artistic portfolio. Minimum credits required: **49** (plus prerequisites as indicated)

Required Courses

- CAS 107 - Film and Culture, 3 credit hours
- OR
- CAS 108I - International Cinema and Aesthetics, 3 credit hours

- CAS 121 - Audio for Media, 2 credit hours
- CAS 207 - Group Communication and Leadership, 3 credit hours
- CAS 222 - Film History, 3 credit hours
- CAS 273 - Film Production and Direction, 3 credit hours
- CAS 322(D) - Film Themes and Genres, 3 credit hours
- CAS 371 - Advanced Production, 3 credit hours
- CAS 373 - Lighting for Film, 3 credit hours
- CAS 422 - Film Makers, 3 credit hours
- CAS 461 - Screenwriting, 3 credit hours
- CAS 474 - Audio for Film, 3 credit hours
- CAS 478 - Capstone in Broadcasting, 3 credit hours
- ART 115 - Two Dimensional Design, 2 credit hours
- ART 220 - Digital Photography, 2 credit hours
- ART 225 - Introduction to Photoshop, 2 credit hours
- ART 226 - Three-dimensional Computer Imaging- Maya, 2 credit hours

- ART 102I - Art Appreciation, 3 credit hours
- OR
- ART 432I - Twentieth Century Art, 3 credit hours

- MUL 172 - Music Appreciation, 3 credit hours

Public Relations, B.A.

Minimum credit require: **47** (plus prerequisites as indicated)

Required Courses

- CAS 120 - Strategies in Public Relations, 3 credit hours
- CAS 125 - Event Planning, 3 credit hours
- CAS 230 - Public Relations Cases, 3 credit hours
- CAS 320 - Internal Public Relations and Research, 3 credit hours
- CAS 345 - External Public Relations Writing, 3 credit hours
- CAS 360 - Public Relations Technology, 3 credit hours
- CAS 410 - Persuasive Campaigns, 3 credit hours
- CAS 415 - Studies in Public Relations, 3 credit hours

- CAS 470X - Internship, Credit hours to be arranged (3 credits minimum)
- CAS 473 - Senior Seminar: Leadership in Public Relations, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours

Complete one of the following:

- CAS 212 - Business and Professional Communication, 3 credit hours
- CAS 315 - Crisis Communication, 3 credit hours
- CAS 350 - Organizational Communication, 3 credit hours

Complete one of the following:

- CAS 226 - Writing for the Media, 3 credit hours
- CAS 232 - Workshop in Journalism, 3 credit hours
- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours
- ENG 309SX - Grant Writing, 3 credit hours

Complete one of the following:

- ART 115 - Two Dimensional Design, 2 credit hours
- ART 117 - Color Theory, 2 credit hours
- ART 220 - Digital Photography, 2 credit hours

Complete one of the following:

- ACC 211 - Intro to Financial Accounting, 3 credit hours
- BUS 215 - Introduction to Entrepreneurship, 3 credit hours
- BUS 329 - Business Ethics, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 409D - Behavioral Theories of Management, 3 credit hours
- BUS 410 - Human Resource Management, 3 credit hours

Minors

Broadcasting and Mass Communication Minor

The Broadcasting and Mass Communication minor emphasizes the theoretical frameworks of media criticism. The minor requires only four credits in practical courses and is thus designed for those who do not plan to work primarily in the area of media production.

Minimum credits required: **18**

Required Courses

- CAS 107 - Film and Culture, 3 credit hours
- **OR**
- CAS 108I - International Cinema and Aesthetics, 3 credit hours
- CAS 126 - Introduction to Communication, 3 credit hours
- CAS 277D - Media and Diversity, 3 credit hours
- CAS 426 - Broadcast Programming, 2 credit hours

- CAS 428 - Broadcast Law and Ethics, 3 credit hours

Four credits from any combination of the following practicum courses:

- CAS 161 - Radio Production and Air Studio Management, 2 credit hours
- CAS 171 - Fundamentals of Television Production, 3 credit hours
- CAS 261X - DJ Format Shift, 2 credit hours
- CAS 271 - Participation in BW-TV, 3 credit hours

Communication Studies Minor

The minor in Communication Studies focuses on application and knowledge of communication theories, skills, and practices.

Minimum credits required: **17-19** (plus prerequisites as indicated)

Required Courses

- CAS 126 - Introduction to Communication, 3 credit hours

Complete one of the following:

- CAS 102 - Interpersonal Communication, 3 credit hours
- CAS 112 - Presentational Speaking, 3 credit hours

Complete one of the following:

- CAS 207 - Group Communication and Leadership, 3 credit hours
- CAS 212 - Business and Professional Communication, 3 credit hours (requires CAS 112 as a prerequisite)
- CAS 275 - Propaganda and Persuasion, 3 credit hours

Complete one of the following:

- CAS 277D - Media and Diversity, 3 credit hours
- CAS 285D - Introduction to Intercultural Communication, 3 credit hours

Complete one of the following:

- CAS 307 - Nonverbal Communication, 3 credit hours
- CAS 350 - Organizational Communication, 3 credit hours
- CAS 377 - Communication Theory, 3 credit hours

Complete one of the following:

- CAS 263 - Seminar, 1-4 credit hours
- CAS 328(D) - Studies in Communication, 3 credit hours

Film Studies Minor

The interdisciplinary film minor encourages students to explore the relationship between film as an expressive art, and the interaction between films and the culture of which they are a part. The film minor emphasizes the critical and theoretical coursework of the major, rather than production coursework.

Minimum credits required: **17**

Required Courses

- CAS 107 - Film and Culture, 3 credit hours
- **OR**
- CAS 108I - International Cinema and Aesthetics, 3 credit hours

- CAS 222 - Film History, 3 credit hours
- CAS 273 - Film Production and Direction, 3 credit hours
- CAS 322(D) - Film Themes and Genres, 3 credit hours
- CAS 422 - Film Makers, 3 credit hours
- ART 220 - Digital Photography, 2 credit hours

Public Relations Minor

A total of **21** credits are required for the Public Relations minor, courses include:

Required Courses

- CAS 120 - Strategies in Public Relations, 3 credit hours
- CAS 230 - Public Relations Cases, 3 credit hours
- CAS 360 - Public Relations Technology, 3 credit hours
- CAS 410 - Persuasive Campaigns, 3 credit hours

Complete one of the following:

- CAS 226 - Writing for the Media, 3 credit hours
- CAS 232 - Workshop in Journalism, 3 credit hours
- CAS 345 - External Public Relations Writing, 3 credit hours
- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours
- ENG 309SX - Grant Writing, 3 credit hours

Take 6 credits from the following list of courses:

- BUS 215 - Introduction to Entrepreneurship, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 333 - Advertising Management, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 409D - Behavioral Theories of Management, 3 credit hours
- BUS 410 - Human Resource Management, 3 credit hours
- BUS 436I - International Marketing, 3 credit hours

Communication Sciences & Disorders

Majors

Communication Sciences & Disorders, B.S.

The Communication Sciences & Disorders major, a pre-professional program, offers students experience in working with people who have communication problems. In addition, the course work prepares students for entrance into graduate programs in Speech-Language Pathology, Audiology, Speech and/or Hearing Science, or a career in an allied health field.

Minimum credits required: **52** (plus prerequisites)

Required Courses

GPA in major of 3.2 or above or consent of Program Director

- CSD 105 - Introduction to Communication Disorders, 3 credit hours
- CSD 134 - Sign Language, 3 credit hours
- CSD 220 - Speech and Language Development, 3 credit hours
- CSD 221 - Speech and Hearing Science, 3 credit hours
- CSD 225 - Phonetics and Phonology, 3 credit hours
- CSD 235 - Clinical Ethics & Management, 2 credit hours
- CSD 236 - Speech & Language Observations, 1 credit hour
- CSD 321 - Neurology, Anatomy & Physiology of the Speech & Hearing Mechanism, 3 credit hours
- CSD 325 - Articulation and Phonology Disorders, 3 credit hours
- CSD 335X - Clinical Practice- Individual, 1 credit hour (taken twice- 2 credit hours)
- CSD 340 - Language Disorders, 3 credit hours
- CSD 420 - Audiology, 3 credit hours
- CSD 421 - Aural Rehabilitation, 3 credit hours
- CSD 435X - Clinical Practice- Group, 1 credit hour
- CSD 440 - Research Methods in Communication Disorders, 3 credit hours
- CSD 477 - Capstone in Communication Disorders, 3 credit hours
- PSY 100 - Principles of Psychological Science, 3 credit hours
- PSY 205 - Developmental Psychology, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours

Recommended/Suggested elective courses for Graduate School Track

- CAS 285D - Introduction to Intercultural Communication, 3 credit hours
- CSD 334 - American Sign Language (ameslan), 3 credit hours
- CSD 341 - Voice and Fluency Disorders, 3 credit hours
- CSD 359 - Faculty-Student Collaboration, Credit hours to be arranged
- CSD 459 - Faculty-Student Collaboration, Credit hours to be arranged
- ENG 210 - Introduction to the Study of Language, 3 credit hours
- HPE 206 - Medical Terminology, 2 credit hours
- NRO 250 - Principles of Neuroscience, 3 credit hours
- SOC 281 - Data Analysis Using PASW, 4 credit hours

Minors

Communication Sciences & Disorders Minor

A total of **18** credits are required for the Communication Sciences & Disorders minor, courses include:

Required Courses

- CSD 105 - Introduction to Communication Disorders, 3 credit hours
- CSD 220 - Speech and Language Development, 3 credit hours
- CSD 225 - Phonetics and Phonology, 3 credit hours

Take 9 credits from the following list of courses:

- CSD 134 - Sign Language, 3 credit hours
- CSD 221 - Speech and Hearing Science, 3 credit hours
- CSD 321 - Neurology, Anatomy & Physiology of the Speech & Hearing Mechanism, 3 credit hours
- CSD 325 - Articulation and Phonology Disorders, 3 credit hours
- CSD 334 - American Sign Language (ameslan), 3 credit hours
- CSD 340 - Language Disorders, 3 credit hours
- CSD 341 - Voice and Fluency Disorders, 3 credit hours
- CSD 420 - Audiology, 3 credit hours
- CSD 440 - Research Methods in Communication Disorders, 3 credit hours

Computer Science

The Department of Computer Science offers three majors. The **Computer Science major** prepares graduates to enter positions as software specialists in industry or commerce, or to enter graduate programs in computer science or related fields. The **Software Engineering major** equips students to employ sound engineering principles in the design, development, testing, and maintenance of large, complex software systems. The **Computer Network and Security Analyst major** is designed to prepare graduates for positions such as business analyst, requirements engineer, and network engineer or administrator.

Five year programs are offered to specially qualified students and may combine one of the computing majors with a minor in Business Administration and a Masters of Business Administration degree. These programs are designed to prepare graduates for positions in computer and information systems management that require strong technical backgrounds, good communication skills, and an in-depth understanding of the business world. Applicants to the program must have a 3.0 minimum GPA. Those applicants with a cumulative GPA less than a 3.4 will be expected to take the GMAT exam prior to applying to the program. Interested students are strongly encouraged to contact the director of the MBA program in the spring semester of their sophomore year.

A student majoring or double majoring in Computer Science, Software Engineering, or Computer Network and Security Analyst may not use a minor in Computer Science, Computer Information Systems, Computer Programming, Network Administration, Web Programming, or Software Engineering for their minor required by the University core requirements. While completion of one of these minors will appear on the student's transcript if declared, the student will need to complete a minor other than these to meet the minor requirement of the core.

Interested in Web Design?

Please see the Digital Media and Design: Graphic Design, B.A. or Digital Media and Design: Interactive Design, B.A. major.

Computer Science Advanced Placement Equivalencies

A student scoring 3 or better on an AP Computer Science examination will be awarded credit as follows:

Exam	Score	Credit Hours	Course Equivalent
A	3, 4, 5	3	CSC 210

Majors

Computer Network and Security Analyst, B.S.

Minimum credits required: **36 in Computer Science, 6 in Mathematics, 3 in Business Administration, and 3 in Communication Studies** (plus prerequisites as indicated)

Required Communication Studies Course: 3 credits

- CAS 112 - Presentational Speaking, 3 credit hours

Required Mathematics Courses: 6 credits

- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
- MTH 160 - Introduction to Discrete Structures, 3 credit hours

Required Business Course: 3 credits

- BUS 358 - Business Communications, 3 credit hours

Required Computer Science: 36 credits

- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CSC 270 - Data Communication Concepts, 3 credit hours
- CSC 275 - Info Systems Security, Privacy, & Ethics, 3 credit hours
- CSC 280 - Applied Database, 3 credit hours
- CSC 285 - Network Diagnostics and Troubleshooting, 3 credit hours
- CSC 290 - Computer Networks, 3 credit hours
- CSC 315 - Network Administration, 3 credit hours
- CSC 360 - Information Systems Project Management, 3 credit hours
- CSC 410 - Advanced Computer Networks, 3 credit hours
- CSC 415 - Penetration Testing and Defense, 3 credit hours
- CSC 470X - Senior Internship, 1 or 3 credit hours
OR
- CSC 471 - Senior Project, 3 credit hours

Computer Science, B.S.

Core science courses must be selected from those intended for scientists and engineers. The list of eligible courses is provided by the academic advisor.

Required Computer Science Courses: 42 credits

- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CSC 235 - System Requirements and Testing, 3 credit hours
- CSC 240 - Object-Oriented Programming, 3 credit hours
- CSC 245 - Data Structures, 3 credit hours
- CSC 291 - Computer Science Research Methods, 2 credit hours
- CSC 310 - Software Engineering I, 3 credit hours
- CSC 320 - Computer Architecture & Organization, 3 credit hours
- CSC 380 - Database: Theory, Application, & Administration, 3 credit hours
- CSC 391 - Senior Research Proposal, 1 credit hour
- CSC 400 - Operating Systems, 3 credit hours
- CSC 430 - Algorithm Design and Analysis, 3 credit hours
- CSC 440 - Artificial Intelligence, 3 credit hours
- CSC 490 - Senior Research Project I, 2 credit hours
- CSC 491X - Senior Research Project II, 1 credit hour

One CSC elective from the following:

- CSC 253 - Seminar in Computing for the Community I, 3 credit hours
- CSC 270 - Data Communication Concepts, 3 credit hours
- CSC 275 - Info Systems Security, Privacy, & Ethics, 3 credit hours

- One CSC 300 or 400 level elective course (other than those required in the major)

Required Mathematics Courses: 17 credits

- MTH 161 - Discrete Structures for Computing, 3 credit hours
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours
- MTH 235 - Probability & Statistics for Scientists & Engineers, 3 credit hours
- One MTH course numbered above 201, 3 or more credit hours

Software Engineering, B.S.

Required Mathematics Courses: 14 credits

- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours
- MTH 161 - Discrete Structures for Computing, 3 credit hours
- MTH 235 - Probability & Statistics for Scientists & Engineers, 3 credit hours

Required Computer Science Courses: 45 credits

- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CSC 235 - System Requirements and Testing, 3 credit hours
- CSC 240 - Object-Oriented Programming, 3 credit hours
- CSC 245 - Data Structures, 3 credit hours
- CSC 310 - Software Engineering I, 3 credit hours
- CSC 311 - Software Engineering II, 3 credit hours
- CSC 335 - Software Validation and Verification, 3 credit hours
- CSC 360 - Information Systems Project Management, 3 credit hours
- CSC 380 - Database: Theory, Application, & Administration, 3 credit hours
- CSC 400 - Operating Systems, 3 credit hours
- CSC 430 - Algorithm Design and Analysis, 3 credit hours
- CSC 470X - Senior Internship, 1 or 3 credit hours (3 credit hours required)
- CSC 480 - Senior Software Engineering Project I, 3 credit hours
- CSC 481 - Senior Software Engineering Project II, 3 credit hours

Choose one of the following: 3 credits

- CSC 270 - Data Communication Concepts, 3 credit hours
- CSC 275 - Info Systems Security, Privacy, & Ethics, 3 credit hours
- CSC 320 - Computer Architecture & Organization, 3 credit hours
- CSC 440 - Artificial Intelligence, 3 credit hours

Additional Science/Math Requirements:

- A two semester sequence chosen from: (8-10 credits)
 - BIO 121 and BIO 122
 - CHM 111, CHM 112 and CHM 115
 - PHY 131/151 or PHY 145 and PHY 132/152 or PHY 146
- Additional electives from AST, BIO, CHM, GEO, MTH, PHY totaling 31 Science/Math credit hours (including Required Mathematics courses listed above)

Minors

Computer Information Systems Minor

The minor includes a minimum of **18** credits (plus prerequisites as indicated):

Required Computer Science Courses:

- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CSC 235 - System Requirements and Testing, 3 credit hours
- CSC 270 - Data Communication Concepts, 3 credit hours
- CSC 280 - Applied Database, 3 credit hours
- CSC 340 - Data Analysis & Visualization, 3 credit hours

Computer Programming Minor

The minor includes a minimum of **18** credits (plus prerequisites as indicated).

Required Courses:

- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CSC 240 - Object-Oriented Programming, 3 credit hours
- CSC 250 - Multimedia Programming, 3 credit hours
- CSC 280 - Applied Database, 3 credit hours
- CSC 330 - Web & Mobile Programming, 3 credit hours

Computer Science Minor

The minor includes a minimum of **27** credits (plus prerequisites as indicated):

Mathematics Requirements: 3 credits (plus prerequisites as indicated)

- MTH 161 - Discrete Structures for Computing, 3 credit hours

Required Computer Science Courses: 24 credits (plus prerequisites as indicated)

- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CSC 235 - System Requirements and Testing, 3 credit hours
- CSC 240 - Object-Oriented Programming, 3 credit hours
- CSC 245 - Data Structures, 3 credit hours

- CSC 280 - Applied Database, 3 credit hours
- OR
- CSC 380 - Database: Theory, Application, & Administration, 3 credit hours

Two of the following:

- CSC 310 - Software Engineering I, 3 credit hours
- CSC 320 - Computer Architecture & Organization, 3 credit hours
- CSC 400 - Operating Systems, 3 credit hours

- CSC 430 - Algorithm Design and Analysis, 3 credit hours
- CSC 440 - Artificial Intelligence, 3 credit hours

Network Administration Minor

The minor includes a minimum of **18** credits (plus prerequisites as indicated).

Required Courses:

- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CSC 270 - Data Communication Concepts, 3 credit hours
- CSC 285 - Network Diagnostics and Troubleshooting, 3 credit hours
- CSC 290 - Computer Networks, 3 credit hours
- CSC 315 - Network Administration, 3 credit hours

Software Engineering Minor

The minor includes a minimum of **21** credits (plus prerequisites as indicated).

Required Courses:

- MTH 161 - Discrete Structures for Computing, 3 credit hours
- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CSC 235 - System Requirements and Testing, 3 credit hours
- CSC 240 - Object-Oriented Programming, 3 credit hours
- CSC 245 - Data Structures, 3 credit hours
- CSC 310 - Software Engineering I, 3 credit hours

Web Programming Minor

The minor includes a minimum of **18** credits (plus prerequisites as indicated).

*Digital Media majors may not declare the Web Programming minor.

Required Courses:

- CSC 135 - Introduction to Web Site Development, 3 credit hours
- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 211 - Introduction to Programming in Python, 3 credit hours
- CSC 250 - Multimedia Programming, 3 credit hours
- ART 225 - Introduction to Photoshop, 2 credit hours
- ART 240 - Graphic Design I, 2 credit hours
- ART 241 - Graphic Design II, 2 credit hours

Criminal Justice

The interdisciplinary major in Criminal Justice, offered by the School of Social Sciences, is designed to provide students with a series of academic courses and related experiences appropriate for career interests in the following areas: probation and parole, law enforcement, juvenile justice, courts and corrections. The sequence of courses will enable students to understand the psychological, sociological, and political factors underlying criminal, delinquent, asocial and anti-social behavior. A seminar at the senior level provides an integration of material regarding issues within the major areas of the criminal justice system.

The criminal justice major is also intended to provide students with academic preparation for graduate school in criminal justice or law and/or help prepare the student academically to become a practitioner in the criminal justice system. In order to "bridge" the transition from University to the world of work within the criminal justice system, students are strongly encouraged (optional) to complete a field experience (internship) in an area pertaining to their career aspirations. There are a variety of internship opportunities in the areas of local law enforcement, federal law enforcement, juvenile justice, probation and courts/law. Students should be aware that opportunities may vary from year to year; also, some internships are competitive in nature and require substantial lead time in terms of the application process.

The program in criminal justice is designed as both a four-year major and as an affiliated program for students transferring from community colleges. Students transferring to Baldwin Wallace after completion of the A.A.S. (Associates of Applied Science) degree in law enforcement, criminal justice or police science will be awarded up to 62 semester hours of transfer credit as Criminal Justice majors if the A.A.S. degree is from Cuyahoga Community College or Lakeland Community College. A.A.S. degrees from other institutions will be evaluated on a case-by-case basis.

Direct all questions related to the major in Criminal Justice to Dr. Louis San Marco, Director of the Criminal Justice Program, in the Department of Sociology.

Majors

Criminal Justice, B.A.

Minimum credits required: **51 to 55** (including prerequisite courses as indicated)

Prerequisites:

- PSY 100 - Principles of Psychological Science, 3 credit hours
- POL 101D - U.S. Government and Politics, 4 credit hours
- SOC 100D - Principles of Sociology, 4 credit hours

Note: These courses are to be completed before taking other required courses in that department as indicated below.

Criminal Justice core: 25-26 hours required

- CRJ 165 - Overview of the Criminal Justice System, 4 credit hours
- POL 207 - Introduction to Law, 3 credit hours crosslisted as
- CRJ 207 - Introduction to Law, 3 credit hours
- CRJ 223 - Juvenile Delinquency & the Juvenile Justice System, 3 credit hours crosslisted as
- SOC 223 - Juvenile Delinquency and the Juvenile Justice System, 3 credit hours
- CRJ 265 - Policing in Society, 3 credit hours crosslisted as

- SOC 265 - Policing of Society, 3 credit hours
- CRJ 313 - Criminology, 3 credit hours crosslisted as
- SOC 313 - Criminology, 3 credit hours
- CRJ 361 - Corrections, 3 credit hours crosslisted as
- SOC 361 - Corrections, 3 credit hours
- CRJ 464 - Integrative Seminar in Criminal Justice, 3 credit hours

Select one of the following:

- SOC 320 - Victimology, 4 credit hours crosslisted as
- CRJ 320 - Victimology, 4 credit hours
- ACC 378 - Principles of Fraud Examination, 3 credit hours
- CRJ 255 - Forensic Science and Criminalistics, 4 credit hours
- CRJ 256 - Criminal Investigations, 3 credit hours

Psychology: 9-11 hours required

- PSY 100 - Principles of Psychological Science, 3 credit hours

Select two of the following:

- PSY 205 - Developmental Psychology, 3 credit hours
- PSY 302 - Abnormal Psychology, 4 credit hours
- PSY 316D - Child Psychopathology, 3 credit hours
- PSY 325 - Adolescent Development, 4 credit hours
- PSY 339 - Social Psychology, 4 credit hours

Political Science: 7 hours required

- POL 101D - U.S. Government and Politics, 4 credit hours

Select one of the following:

- INT 250I - Security, Technology and Threat Assessment, 3 credit hours
- POL 303 - Public Policy and Administration, 3 credit hours
- POL 304D - Urban Policy and Politics, 3 credit hours
- POL 309 - Criminal Law and the Constitution, 3 credit hours crosslisted as
- CRJ 309 - Criminal Law and the Constitution, 3 credit hours

Sociology: 7 hours required

- SOC 100D - Principles of Sociology, 4 credit hours

Select one of the following:

- SOC 206 - Crime in Organizations, 3 credit hours
- SOC 270I - Terrorism: Roots and Responses, 3 credit hours crosslisted as

- CRJ 270I - Terrorism: Roots and Responses, 3 credit hours
- CRJ 277 - Race, Gender & Justice, 3 credit hours
- SOC 317 - Sociology of Deviance, 3 credit hours
- SOC 365 - Perspectives on Violence, 3 credit hours

Statistics: 3-4 hours required

Select one of the following:

- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
- POL 240 - Introduction to Political Analysis, 4 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours

Important Note: Regarding D grades in the CRJ interdisciplinary major:

Students should also be aware that they cannot have more than 4 credit hours of “D” in the CRJ interdisciplinary major (including prerequisites PSY 100, POL 101D, SOC 100D). If you must repeat a course under those circumstances, you will not be given duplicate credit for the same course. (**Note:** PSY 278 and ECN 279 are equivalent courses.) If a student has more than one “D” in the CRJ interdisciplinary major, he/she should consider whether to remain in the CRJ major.

Strongly recommended courses for students planning to go on to graduate school or enter the area of Criminal Justice Planning:

- SOC 280 - Research Methods, 4 credit hours crosslisted as
- PSY 280 - Research Methods, 3 credit hours
- PSY 281X - Thesis in Psychology, 3 credit hours

CRJ Elective for all CRJ majors:

- CRJ 050(I) - Independent Study, Credit hours to be arranged (must have 3.0 GPA or above)

Strongly recommended for all CRJ majors:

- CRJ 070X - Internship, Credit hours to be arranged

Minors

Criminal Justice Minor

Minimum credits required: **19 to 20** (including prerequisite courses as indicated)

Required courses:

- CRJ 165 - Overview of the Criminal Justice System, 4 credit hours
- CRJ 223 - Juvenile Delinquency & the Juvenile Justice System, 3 credit hours crosslisted as
- SOC 223 - Juvenile Delinquency and the Juvenile Justice System, 3 credit hours
- CRJ 265 - Policing in Society, 3 credit hours crosslisted as

- SOC 265 - Policing of Society, 3 credit hours
- SOC 313 - Criminology, 3 credit hours crosslisted as
- CRJ 313 - Criminology, 3 credit hours
- CRJ 361 - Corrections, 3 credit hours crosslisted as
- SOC 361 - Corrections, 3 credit hours

Select one of the following courses:

- POL 309 - Criminal Law and the Constitution, 3 credit hours crosslisted as
- CRJ 309 - Criminal Law and the Constitution, 3 credit hours
- PSY 302 - Abnormal Psychology, 4 credit hours
- SOC 206 - Crime in Organizations, 3 credit hours
- SOC 270I - Terrorism: Roots and Responses, 3 credit hours
- CRJ 464 - Integrative Seminar in Criminal Justice, 3 credit hours (with permission of the CRJ program director)

Forensic Science Minor

Minimum credits required: **35** (including prerequisite courses as indicated)

Required courses:

- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- CRJ 165 - Overview of the Criminal Justice System, 4 credit hours
- CRJ 255 - Forensic Science and Criminalistics, 4 credit hours
- CRJ 256 - Criminal Investigations, 3 credit hours
- POL 207 - Introduction to Law, 3 credit hours
- OR**
- POL 309 - Criminal Law and the Constitution, 3 credit hours crosslisted as
- CRJ 309 - Criminal Law and the Constitution, 3 credit hours

Select two of the following courses:

- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
- OR**
- ECN 279 - Basic Statistical Methods, 3 credit hours
- OR**
- PSY 278 - Elements of Statistics, 4 credit hours
- PHY 145 - Applied College Physics I, 5 credit hours
- OR**
- PHY 131 - General Physics I, 4 credit hours and
- PHY 151 - Introductory Physics Lab I, 1 credit hour
- PHY 146 - Applied College Physics II, 5 credit hours
- OR**
- PHY 132 - General Physics II, 4 credit hours and

- PHY 152 - Introductory Physics Lab II, 1 credit hour
- PSY 100 - Principles of Psychological Science, 3 credit hours
- PSY 302 - Abnormal Psychology, 4 credit hours
- SOC 100D - Principles of Sociology, 4 credit hours
- POL 207 - Introduction to Law, 3 credit hours crosslisted as
- CRJ 207 - Introduction to Law, 3 credit hours
- SOC 313 - Criminology, 3 credit hours crosslisted as
- CRJ 313 - Criminology, 3 credit hours
- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 211 - Genetics, 4 credit hours
- BIO 330 - Gross Anatomy, 4 credit hours
- BIO 334 - Invertebrate Natural History, 4 credit hours
- BIO 336 - Molecular Biology, 4 credit hours
- BIO 405 - Advanced Topics In Biology, 1-4 credit hours (when offered as) Facial Anatomy and Reconstruction
- CHM 221 - Quantitative Analysis, 3 credit hours
- CHM 311 - Biochemistry, 3 credit hours
- **AND**
- CHM 315 - Biochemistry Laboratory, 1 credit hour
- CHM 321 - Instrumental Analysis, 3 credit hours
- **AND**
- CHM 325 - Instrumental Analysis Laboratory, 1 credit hour
- ART 220 - Digital Photography, 2 credit hours
- ACC 378 - Principles of Fraud Examination, 3 credit hours
- GEO 111 - The Dynamic Earth, 4 credit hours

Digital Media and Design

Majors

Digital Media and Design: Graphic Design, B.A.

*Digital Media majors may not declare the Web Programming minor.

Minimum credits required: **50-51**

Required courses

- ART 103D - Art of Our Time, 3 credit hours
- ART 110 - Drawing I, 2 credit hours
- ART 111 - Drawing II, 2 credit hours
- ART 115 - Two Dimensional Design, 2 credit hours
- ART 117 - Color Theory, 2 credit hours
- ART 220 - Digital Photography, 2 credit hours
- ART 225 - Introduction to Photoshop, 2 credit hours
- ART 226 - Three-dimensional Computer Imaging- Maya, 2 credit hours
- ART 240 - Graphic Design I, 2 credit hours
- ART 241 - Graphic Design II, 2 credit hours
- CAS 126 - Introduction to Communication, 3 credit hours
- CAS 226 - Writing for the Media, 3 credit hours
- CSC 135 - Introduction to Web Site Development, 3 credit hours
- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 250 - Multimedia Programming, 3 credit hours

- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
OR
- CSC 211 - Introduction to Programming in Python, 3 credit hours

Graphic Design Track:

- ART 261 - Typography, 2 credit hours
- ART 350 - Graphic Design III, 2 credit hours
- ART 362 - Logos & Symbols, 2 credit hours
- ART 452 - Portfolio Review, 2 credit hours
- ART 470X - Digital Media Design Internship, 1-12 credit hours

Digital Media and Design majors may complete a minor in Studio Art, with consultation from an Art Department advisor to avoid overlapping coursework.

Digital Media and Design: Interactive Design, B.A.

*Digital Media majors may not declare the Web Programming minor.

Minimum credits required: **50-51**

Required courses

- ART 103D - Art of Our Time, 3 credit hours
- ART 110 - Drawing I, 2 credit hours
- ART 111 - Drawing II, 2 credit hours
- ART 115 - Two Dimensional Design, 2 credit hours
- ART 117 - Color Theory, 2 credit hours
- ART 220 - Digital Photography, 2 credit hours
- ART 225 - Introduction to Photoshop, 2 credit hours
- ART 226 - Three-dimensional Computer Imaging- Maya, 2 credit hours
- ART 240 - Graphic Design I, 2 credit hours
- ART 241 - Graphic Design II, 2 credit hours
- CAS 126 - Introduction to Communication, 3 credit hours
- CAS 226 - Writing for the Media, 3 credit hours
- CSC 135 - Introduction to Web Site Development, 3 credit hours
- CSC 160 - Introduction to Computing, 3 credit hours
- CSC 250 - Multimedia Programming, 3 credit hours

- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
OR
- CSC 211 - Introduction to Programming in Python, 3 credit hours

Interactive Design Track:

Students pursuing the Interactive Design Track must complete MTH 161 as their core mathematics course.

- CSC 240 - Object-Oriented Programming, 3 credit hours
- CSC 280 - Applied Database, 3 credit hours
- CSC 330 - Web & Mobile Programming, 3 credit hours
- CSC 471 - Senior Project, 3 credit hours

Digital Media and Design majors may complete a minor in Studio Art, with consultation from an Art Department advisor to avoid overlapping coursework.

Diversity Studies

The minor in Diversity Studies has two purposes: to teach students about diversity of the United States, with a special focus on gender, and to help students find innovative ways of living within a pluralistic society. For the purposes of this minor, "diversity" encompasses cultural, racial, ethnic, religious, sexual, generational, and physical diversities within the United States. "Gender" is understood as a subset of diversity, and includes the physiology, sociology, or psychology of gender difference, sexual identities, gender stereotypes, and/or social, economic, cultural and historical structures relating to men's and women's status.

The minor is intended to complement students' majors. Its interdisciplinary design introduces students to the different ways the disciplines conceptualize, investigate, and analyze issues of diversity. The program of study will also aid students in refining and expressing their own ideas about diversity, and will encourage them to bring new perspectives to bear on their other areas of study. A capstone seminar will provide students with theoretical tools to integrate the material from their courses with their research or career choices in a sophisticated manner.

Direct all questions related to the Diversity Studies minor to the director of the Diversity Studies Minor: Dr. Deb Esty, in the Psychology Department.

Minors

Diversity Studies Minor

15 hours will be selected from a menu of existing courses (Gender Studies and Diversity Studies lists below), and students will also take a 3 credit capstone seminar (DST 463) that will provide students with theoretical tools to integrate the knowledge from the various classes they have taken into a final research project.

Minimum credits required: **18**

Required Course: 3 credits

- DST 463 - Seminar in Diversity Studies, 3 credit hours

Elective courses:

Choose 15 credits from the following course listing. Choose at least one course from the Gender Studies course list and one from the Diversity Studies course list. To foster an interdisciplinary perspective on diversity, no more than two courses from a single department and no more than two Gender Studies courses may count toward the minor.

Gender Studies courses:

- CAS 328(D) - Studies in Communication, 3 credit hours (*when taught as Gender Communications*)
- ENG 336(I,D) - Studies in Specific Genres, Themes or Modes, 3 credit hours Early American Women's Narratives
- HPE 263 - Special Topic Seminar, Credit hours to be arranged The History of Women in Sport
- HPE 263 - Special Topic Seminar, Credit hours to be arranged Gender, Health, and Equity
- MUC 363 - Seminar, Variable credit Gender and Sexuality in Music Scholarship
- POL 208 - Special Legal Studies, 1-3 credit hours when offered as "Women & Law" or "Sex and the Law"
- POL 305D - Women, Politics, and the Media, 3 credit hours
- PHL 207(D) - Topics in Philosophy, 3-4 credit hours Feminist Philosophy
- PHL 271D - Philosophy of Sexuality, 3-4 credit hours
- PSY 215D - Psychology of Women, 4 credit hours
- REL 293(I,D) - Topics in Religion, 2-4 credit hours Race, Religion & Gender in Movies
- REL 393 - Religion, the Body, and Gender, 4 credit hours
- SOC 290D - Gender Roles, 3 credit hours

- Seminar and Topics courses as deemed appropriate

Diversity Studies courses:

- BUS 409D - Behavioral Theories of Management, 3 credit hours
- CAS 277D - Media and Diversity, 3 credit hours
- CAS 285D - Introduction to Intercultural Communication, 3 credit hours
- CAS 328(D) - Studies in Communication, 3 credit hours (*when taught as Diversity in America*)
- ECN 341 - US Economic History, 3 credit hours
- ECN 356D - Urban & Regional Economics, 3 credit hours
- HIS 170D - Diversity in America, 3 credit hours
- HIS 260(I,D) - Topics in History, 3-4 credit hours (*when taught as African-American History*)
- MUL 224D - History of Jazz, 2 credit hours
- POL 202 - Major Policy Issues, 1-3 credit hours
- POL 263(I, D) - Seminar in Political Science, 1-3 credit hours (*when topic is Civil Rights*)
- POL 304D - Urban Policy and Politics, 3 credit hours
- POL 333D - Contemporary Political Voices at the Margins, 3 credit hours
- PSY 245D - Multicultural Psychology, 3-4 credit hours
- REL 108I - Islam, 2 credit hours
- REL 110 - Judaism, 3 credit hours
- REL 115D - African-American Religious Experience, 3 credit hours
- REL 193(I,D) - Topics in Religion, 2-4 credit hours (*when taught as Dr. Martin Luther King Jr. or King and American Racism*)
- REL 218D - American Religious Pluralism, 4 credit hours
- REL 293(I,D) - Topics in Religion, 2-4 credit hours (*when taught as History of Gospel Music*)
- SOC 201D - Social Problems, 4 credit hours
- SOC 301D - Social Inequalities, 3 credit hours
- SOC 302I - Racial and Cultural Minorities, 3 credit hours
- SOC 330D - Protests, Movements and Social Change, 3 credit hours
- Seminars and Topics courses as deemed appropriate.

Economics

Economics is a social science because it seeks to measure, explain and predict ways in which people behave. Its approach to problem solving is typically deductive and it is frequently quantitative, but the underlying agenda is the improvement of the human condition through the selection of appropriate public policy. From the introductory courses, which acquaint students with the fundamentals of the economic way of thinking through the intermediate theory, topics and methods courses, to the capstone senior seminar, we stress this importance of analysis in the service of society.

Economics Internship Option

The faculty of the department strongly encourages participation in the Internship program. Through the program, students accumulate academic credit and gain valuable job experience. Students are often compensated for their work and can present a record of academic and practical experience to potential employers. Students are advised to consult their faculty advisor and the office of Career Services for more information.

Secondary Education Licensure

Students wishing to be certified by the State of Ohio for the teaching of economics in the secondary schools may obtain information concerning certification requirements from either the Department of Economics or the School of Education.

The Buckhorn Chair in Economics

The Buckhorn Chair in Economics was established in January 1983 through a gift from Buckhorn, Inc., of Cincinnati, Ohio, (a subsidiary of Myers Industries). The chair enables a faculty member to conduct research in economic thought, economic, political, and social issues, economic growth, and applied economics. The scope of the Buckhorn Chair includes teaching, research, and establishment of linkages between the academic and business communities.

Majors

Economics, B.A.

Minimum credits required: 36

Students who elect to major in economics will find a broad spectrum of courses enabling them to obtain jobs in the business and financial community, to enter graduate school or to pursue a professional education, such as law. Courses in economic theory are balanced with others in which economics is applied to specific domestic and international issues. Economics majors are exposed to computer techniques and applications in statistics and economic research. Independent study and seminar classes are made available to juniors and seniors.

Required Courses

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- ECN 301 - Intermediate Economics I (Micro Theory), 3 credit hours
- ECN 302 - Intermediate Economics II (Macro Theory), 3 credit hours
- ECN 320 - Research Methods and Design, 2 credit hours
- ECN 321 - Data Analysis Lab, 1 credit hour

- ECN 379 - Advanced Statistical Methods, 3 credit hours
- ECN 464 - Research Seminar, 3 credit hours
- 4 Elective Courses in Economics at the 300-400 level, 12 credit hours

Note: MTH 140 or MTH 141 or BUS 365 can substitute for one of the 4 elective courses in Economics at the 300-400 level.

Students majoring in economics should complete ECN 279 early in their program.

Mathematical Economics, B.S.

Minimum credits required: **47**

The department also offers a major in Mathematical Economics. This major provides students with a level of mathematical background considered essential for pursuing graduate work in economics. The major also provides students of mathematics with a firm understanding of the application of mathematical principles to economics.

Required courses:

Economics Department

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 301 - Intermediate Economics I (Micro Theory), 3 credit hours
- ECN 302 - Intermediate Economics II (Macro Theory), 3 credit hours

- ECN 279 - Basic Statistical Methods, 3 credit hours **
- OR**
- MTH 405 - Theory of Probability, 4 credit hours

- ECN 320 - Research Methods and Design, 2 credit hours
- ECN 321 - Data Analysis Lab, 1 credit hour
- ECN 379 - Advanced Statistical Methods, 3 credit hours
- ECN 425 - Mathematical Topics in Economics, 3 credit hours
- ECN 464 - Research Seminar, 3 credit hours

Total credits in Economics: 27

Note: ** If MTH 405 is taken, an additional course in economics at the 300 level is to be substituted for ECN 279.

Mathematics Department

- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours
- MTH 243 - Calculus III, 4 credit hours
- MTH 211 - Linear Algebra, 3 credit hours

- MTH 245 - Differential Equations, 3 credit hours
- OR**
- MTH 405 - Theory of Probability, 4 credit hours

Total credits in Mathematics: 20

Note: MTH 405 can substitute for ECN 279, in which case an additional economics course at the 300 level must be taken.

Minors

Economics Minor

A minor in economics consists of **24** credit hours.

Requirements:

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours

- ECN 301 - Intermediate Economics I (Micro Theory), 3 credit hours
OR
- ECN 302 - Intermediate Economics II (Macro Theory), 3 credit hours

- ECN 320 - Research Methods and Design, 2 credit hours
- ECN 321 - Data Analysis Lab, 1 credit hour
- Three additional economics courses at the 300-400 level, 9 credit hours

Note: MTH 140 or MTH 141 or BUS 365 can substitute for one of the 3 elective courses in Economics at the 300-400 level.

Education

The School of Education faculty, along with their Arts and Sciences and Conservatory faculty partners, are committed to the development of a strong performance-based program of teacher education. The teacher education curriculum is arranged conceptually around six teacher/ educator attributes: content knowledge, professional knowledge, pedagogical knowledge, diversity, educational technology, and professional dispositions. These six attributes comprise a conceptual framework for guiding the academic experiences of all students.

Teacher Education candidates participate in field experiences, seminars, classes, and assessment and remediation activities. Successful teacher education candidates learn the art of self-reflection and embody the characteristics of all BW students in becoming contributing, compassionate, competent educators.

Field Experiences are developmentally sequenced to allow students the opportunity to explore teaching as a career choice early in their University experience. Initial field experiences include observation, tutoring, and assisting teachers in their classrooms. Before their final year, candidates have not only practiced teaching in their BW classes, they have planned, conducted and evaluated their teaching in an actual school classroom. By completing a series of steps to qualify for each transition point in the program, students are allowed opportunities to develop the necessary skills, knowledge, and dispositions to move confidently into their final clinical experience, student teaching.

Dispositions

The Baldwin Wallace University School of Education recognizes that certain educator dispositions are essential to the integrity of the professional teaching license, and will therefore be assessed as the teacher candidates' progress through the program. Candidates must meet acceptable scores on these assessments to progress to the next level of EDU coursework. The assessment will examine a candidate's dispositions in regards to professionalism, collaboration, communication, positive attitude, value of diversity, self-regulated learning and social/emotional well-being. Educator dispositions will also be assessed during the Clinical Practice field experience.

The teacher preparation program at Baldwin Wallace University is accredited by the National Council for Accreditation of Teacher Education (Now CAEP, Council for the Accreditation of Educator Preparation). This accreditation includes both undergraduate and graduate programs leading to initial or advanced teacher licensure. The accreditation does not include individual education courses that the institution offers to P-12 educators for professional development, re-licensure, or other purposes. The School of Education is approved for teacher education by the Ohio Department of Higher Education in the following undergraduate areas: early childhood education (prekindergarten-grade 3), middle childhood education (grades 4-9), mild/moderate educational needs (kindergarten-grade 12), adolescent young adult education (grades 7-12), for teaching regular academic subjects offered in middle and senior high schools, and multi-age education (prekindergarten-grade 12), for teaching subjects such as foreign language, music, health & physical education, and visual arts.

Licensure

Baldwin Wallace University serves as the recommending agent for a license granted by the Ohio Department of Education (ODE). It does so only if the professional education coursework has been completed at Baldwin Wallace University. A Four Year Resident Educator License, will be issued by the State of Ohio to candidates who earn the baccalaureate degree, including the prescribed program of general and professional education courses and who successfully complete the State License Examinations. This license is required for entry into the Resident Educator Program and may be used for substitute teaching. Once the initial license has been issued, candidates do not need to apply for a separate license to substitute teach.

Licensure in Other States

Qualification for a teaching license in Ohio is usually sufficient for an initial license/certificate in other states. A majority of states participate in a reciprocal agreement with the State of Ohio. If a teacher candidate is interested in teaching in another state, they should contact that state's Department of Education to see what specific state requirements (if any) must be fulfilled. In addition, accreditation by the Council for the Accreditation of Educator Preparation may facilitate the securing of a license/certificate outside of Ohio.

Placement and Job Opportunities

The Center of Academic and Career Excellence assists students with self-assessment, career information and placement. Students are actively engaged in these areas through individual guidance and group programs. Education majors are encouraged to begin their resumes and portfolios as freshmen or sophomores and pursue internships working with youth or educational organizations throughout University. Career Services meets with students early and often during their University experience so they may realize their goal of employment upon graduation.

Information on teaching opportunities may be obtained from the Center of Academic and Career Excellence, rather than the School of Education. Students should study the Job Bulletins which are issued weekly by the Center of Academic and Career Excellence. Students can also find on-campus interview schedules and other teaching opportunities posted on various bulletin boards on campus.

Although the Center of Academic and Career Excellence offers valuable assistance to prospective teachers, final job placement resides with the candidate. Both the School of Education and Center of Academic and Career Excellence are pleased to help; the initiative, however, must come from the candidate.

Field and Clinical Experiences

The School of Education believes that it must provide its teacher candidates with extensive opportunities to participate in meaningful classroom experiences where they are able to put theory and knowledge into action.

Field experiences, embedded within certain teacher education courses at Baldwin Wallace University, are designed to support the development of competent and professional teachers. In addition, field experiences are designed to give teacher candidates diverse experiences in demographic locations, cultures, racial and ethnic backgrounds, and diversity of students' abilities and needs.

The School of Education field experiences are designed in a sequential and timely manner to provide teacher candidates with classroom opportunities to observe and to apply their knowledge of curriculum development and theoretical perspectives presented to them in their university classrooms.

This progression of field experiences culminates in the clinical practice (Student Teaching) experience. Clinical practice is designed to be the most valuable and intense learning experience prior to graduation. Teacher candidates are to refer to the *Clinical Practice Handbook* for all policies, experiences, requirements, and procedures related to student teaching.

Teacher candidates must successfully complete all requirements for each experience before progressing to the next field or clinical experience.

Transportation to and from any field-based experience, including clinical practice, is the responsibility of the student. Although the School of Education will consider requests for placement within driving distance, the student must assume the responsibility both for such transportation and for adequate insurance protection.

Teacher Education Handbook

Each fall the School of Education prepares and posts to its BW/School of Education portal a handbook entitled "School of Education Handbook." All students entering preparation for teaching should refer to this handbook on a regular basis.

Admission and Continuation in the Teacher Education Program Leading to Licensure

As the teacher candidate progresses through the program, assessment data are collected via major assessment components. The data are reviewed at key transition points within the program. The purpose of these transition points is to assess and monitor the candidates' competencies to ensure that candidates are proficient in the knowledge, skills, and dispositions appropriate for the developmental stage of the program. These transition points are points for intervention or remediation if proficiencies are not met. The following identifies the transition points and competency criteria required to progress through the program.

Transition Points

Point One: Provisional Entry

Students may take the 100 level courses with the following conditions:

Admission to Baldwin Wallace University Criteria:

- The criteria for admission are established by the University officers and published in the current University catalog.
- Obtain a "clear" Bureau of Criminal Identification and Investigation (BCII) report and a "clear" Federal Bureau of Investigation (FBI) report (valid for one year) before 100 level field observations.
- If transferring to BW from another institution, have a 2.800 cumulative GPA from previous institution(s) before being admitted to 100 level EDU courses.

Point Two: Formal admission to the Teacher Education Program and advancement to 200* level courses will be determined by the following:

- Have a cumulative GPA of 2.800
- Have a GPA of 2.800 in EDU courses
- Have completed all prerequisite coursework with a grade of C or better in all 100 level EDU courses
- Have successfully completed the professional dispositional assessment
- Have completed all 100 level EDU field experiences successfully
- Submit "Good Moral Character" form to the School of Education
- Obtain a "clear" criminal background check that includes both Ohio Bureau of Criminal Identification and Investigation (BCII) and Federal Bureau of Investigation (FBI) fingerprinting - completed within the last year
- Have a "negative" TB test on file in the School of Education (required for Early Childhood majors only)
- If transferring to BW from another institution, have a 2.800 cumulative GPA from previous institution(s)

*Some individual courses may have additional requirements for participation

Point Three: Prior to Acceptance to Professional Sequence (Methods Courses)

- Have a cumulative GPA of 2.800
- Have a GPA of 2.800 in EDU courses

- Meet all Teaching Field/Department GPA requirement(s)- *see School of Education Handbook*
- Have a grade of C or better in all EDU courses
- Complete all Mathematics (MTH) core requirements (if MTH-111, MTH-112, or MTH-113 is required, a grade of C- or better is required for each course)
- Obtain a "clear" criminal background check that includes both Ohio Bureau of Criminal Identification and Investigation (BCII) and Federal Bureau of Investigation (FBI) fingerprinting - both completed within the last year
- Have a "negative" TB test on file in the School of Education
- Participate in Child Abuse Prevention Training before starting the field experience

Point Four: Prior to Acceptance to Clinical Practice

- Have a cumulative GPA of 2.800
- Have a GPA of 2.800 in EDU courses
- Meet all Teaching Field / Department GPA requirement(s)- *see School of Education Handbook*
- Have a grade of C or better in all EDU courses, including required methods courses
- Complete all methods field experiences successfully
- Obtain a "clear" criminal background check that includes both Ohio Bureau of Criminal Identification and Investigation (BCII) and Federal Bureau of Investigation (FBI) fingerprinting - both completed within the last year
- Participate in Child Abuse Prevention Training before starting the field experience
- Register for the required Educator Licensure Exam(s)

Point Five: Prior to Receiving School of Education Recommendation for the Four Year Resident Educator License (Signed by the Dean of the School of Education)

- Submit an application for licensure to the Ohio Department of Education
- Have successfully completed all required coursework and, if appropriate, all degree requirements
- Have a cumulative GPA of 2.800
- Have a GPA of 2.800 in EDU courses
- Meet all Teaching Field / Department GPA requirement(s)- *see School of Education Handbook*
- Obtain passing scores for required Ohio Assessment for Educator Licensure Exam(s)
- Have satisfactorily completed Clinical Practice field experience(s), including the dispositional assessment
- Obtain a "clear" criminal background check that includes both Ohio Bureau of Criminal Identification and Investigation (BCII) and Federal Bureau of Investigation (FBI) fingerprinting - completed within the last year

Appeal Procedure

Any student has the right to request, in writing, that the Teacher Education Committee review decisions made on the status of his/her candidacy. This committee makes recommendations to the Dean of the School of Education whose decision is final.

Review Procedure

All teacher education candidates who do not qualify at any transition point in the program will be counseled by their academic advisor. The advisor may recommend the following types of remediation: additional course work, repeating a course, or other forms of student support. However, candidates are limited to two (2) cases of academic ineligibility, i.e., grades or grade point averages, during his/her enrollment in the teacher education program. If, after two occurrences, a candidate does not meet academic eligibility criteria for continuation in the program, he/she must consider an alternative to teacher licensure. In cases where continuation is in question, the advisor, current faculty members and the Dean may confer to determine a suggested course of action, including withdrawal from the program.

Transfer Courses Policy and Term Limits for Program Completion

The School of Education has a six year time limit on Education (EDU) courses that are to be applied toward teacher licensure. This time limit applies to graduate and undergraduate candidates, and to transfer as well as current and returning students. If the EDU course work is required for licensure, it must have been completed within six years of the candidate's application for a teaching license. Exceptions to this rule may be made on a case by case basis if adequate course materials are available for review.

Code of Professional Behavior

A code of Professional Behavior is outlined for all candidates in the Student Handbook. The Code identifies professional dispositions expected of all pre-service and advanced candidates. Faculty may identify candidates who exhibit behaviors that are inconsistent with the Code and provide a written referral to the School Dean. If a response is warranted, a team of appropriate faculty, field or administrative staff will meet with the candidate to determine an appropriate course of remedial action.

Early Childhood Education Program

The School of Education offers a major in early childhood education leading to licensure in grades PK through 3. Candidates majoring in early childhood education do not need to have an additional minor as required by the University. The candidate majoring in early childhood education must meet the University requirements for a baccalaureate degree and must also satisfy the Ohio Department of Education and School of Education requirements for licensure as an early childhood education teacher. Early Childhood Education majors must complete the courses as listed on the current "Program Outline." Candidates who complete a major in Early Childhood Education will earn a Bachelor of Science degree in Education (B.S. in Ed.).

Early Childhood Education Generalist Endorsement

The School of Education offers an early childhood generalist endorsement valid for teaching all core academic content areas in grades four and five. Those wishing to add this endorsement to the P-3 license must meet specific requirements in mathematics, social studies, science, language arts and pedagogy. Those wishing to add this endorsement to the PK-3 license must meet specific requirements in mathematics, social studies, science, language arts, and pedagogy and pass the Elementary Education OAE subtests.

Middle Childhood Education Program

The School of Education offers a major in middle childhood education leading to licensure in two teaching fields within grades 4 through 9. The candidate majoring in middle childhood education must meet the University requirements for a baccalaureate degree and must also satisfy the Ohio Department of Education and School of Education requirements for licensure as a middle childhood education teacher. Courses included in this prescribed program cover general education/ Core requirements, professional education and curriculum content specific to their two teaching fields (which are University minors). Candidates who complete a major in Middle Childhood Education will earn a Bachelor of Science degree in Education (B.S. in Ed.).

Candidates must select **TWO** teaching field areas:

- Middle Childhood Language Arts and Reading
- Middle Childhood Mathematics
- Middle Childhood Science
- Middle Childhood Social Studies

Middle Childhood Education Generalist Endorsement

The School of Education offers a middle childhood generalist endorsement which leads to an endorsement for teaching additional content areas for grades 4 through 6. The endorsement may be added to a middle childhood license and adds additional content areas to the two areas of concentration. Candidates must complete the prescribed courses and pass the appropriate OAE content test to be eligible for the endorsement.

Adolescent Young Adult/Multi-Age Program

The School of Education offers a minor in Adolescent Young Adult Education (grades 7-12) and Multi-Age Education (grades PK-12) leading to licensure within the designated grade bands as well as a specific content area major of choice. The candidate minoring in adolescent and young adult education or multi-age education must meet the University requirements for a baccalaureate degree and must also satisfy the Ohio Department of Education and School of Education requirements for licensure. Courses included in this prescribed program cover general education/core requirements, professional education and courses specific to the candidate's major. Candidates who complete a major in AYA or Multi-age education will earn a Bachelor of Arts degree (B.A.), Bachelor of Science degree (B.S. in Ed.) and/or Bachelor of Music in Education (B.M.E.).

Programs offered in AYA include:

Integrated Language Arts	Integrated Mathematics
Integrated Science	Integrated Social Studies
Life Science	Physical Sciences

Programs offered in Multi-Age include:

- Foreign Language*: French, German, Spanish
- Health
- Physical Education
- Music**
- Visual Arts

*Foreign language candidates are required to complete a semester abroad

**The Bachelor of Music Education Degree program at Baldwin Wallace is a comprehensive curriculum leading to teaching proficiency in both choral and instrumental music. The curriculum consists of a total of 136.5 semester credit hours, which requires a candidate to average 18 credit hours per semester (with the exception of the student teaching semester). Program tracking sheets are available in the Conservatory office or at <https://www.bw.edu/academics/undergraduate/music-education/>. For further information regarding the music education program, please contact the Chair of the Music Education Department.

Intervention Specialist (Kindergarten through grade twelve) Mild/Moderate Educational Needs Program

The School of Education offers a major in mild/moderate educational needs leading to licensure in grades PK through 12. Candidates majoring in mild/moderate educational needs must have an additional minor as required by the University. The candidate majoring in mild/moderate educational needs must meet the University requirements for a baccalaureate degree and must also satisfy the Ohio Department of Education and School of Education requirements for licensure. Courses included in this prescribed program cover general education/core requirements, professional education and courses specific to the candidate's specialization. Candidates who complete a major in Mild/Moderate Educational Needs will earn a Bachelor of Science degree in Education (B.S. in Ed.).

Candidates may also complete additional coursework in order to obtain licensure in Mild/Moderate Educational Needs in addition to our Early Childhood Education, Middle Childhood Education, and Adolescent Young Adult Education or Multi-Age Education licensure programs.

Successful completion of state-approved exams is required for each licensure area/endorsement and/or teaching field. Additional program requirements may be required based on program and/or license. Those seeking Mild/Moderate licensure are required to take the Ohio Assessment for Educators Reading K-12 licensure subtests.

English for the Second Language Learner (ESLL) Certificate

The Baldwin Wallace University English for the Second Language Learner (ESLL) Certificate provides candidates in any program with the skills to help the non-English speaking student learn academic content in the PK-12 classroom is available to any EDU major & non-EDU major. For further information, please consult the university catalog. Note: This is not an Ohio teaching license or certificate but will appear on your transcript when completed.

Educator License Examination

Baccalaureate and graduate level licensure candidates must successfully complete the required Ohio Assessment for Educator Licensure Exam(s) to be eligible for an initial license. The Ohio Assessment for Educators exams (OAE) assess the content-area and professional (pedagogical) knowledge of candidates who are seeking initial licensure in the state of Ohio.

Licensure Only Option

The Licensure Only program is designed for candidates who have already earned a Bachelor's degree, but do not have a teaching license through the state of Ohio. Candidates who hold a bachelor's degree, but not a teaching license, may pursue a Four Year Resident Educator License through the Licensure Only program. The Licensure Only program combines undergraduate education and content-area courses leading to an initial Ohio teaching license in one of the following areas:

- Early Childhood Education (PK–3)
- Middle Childhood Education (4–9)
- Adolescent/Young-Adult Education (7–12)
- Multi-Age Education (K–12)
- Mild/Moderate Educational Needs (K–12)

Information is available in the Office of Admission and by contacting the Academic Advisor for the Licensure Only/License + Master's programs.

License+Master's Program

The License+Master's program is an alternative licensure program for a student with a degree and seeking a license. Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, plus licensure in any of the following areas:

Early Childhood Education License with Reading Endorsement.
Early Childhood Education License with Mild/Moderate Educational Needs License.
Early Childhood Education License with Educational Technology Endorsement.

Middle Childhood Education with Reading Endorsement.
Middle Childhood Education with Mild/Moderate Educational Needs License.
Middle Childhood Education with Educational Technology Endorsement

Adolescent Young Adult Education/ Multi-Age License with Reading Endorsement
Adolescent Young Adult Education/ Multi-Age License with Mild/Moderate Educational Needs License.
Adolescent Young Adult Education/ Multi-Age License with Educational Technology Endorsement.

Model Program Sheets delineating the requirements for each License+ Master's program may be obtained in the School of Education.

Information on admission and program requirements are available in the Office of Admission and by contacting the Academic Advisor for the Licensure Only/License + Master's programs.

Majors

Education: Early Childhood (preK-3), B.S.Ed.

Minimum professional education credits required: 61

For an Early Childhood Education license, a student must major in Early Childhood Education and earn a baccalaureate degree, including the prescribed program of general education, professional education, and curriculum content.

Basic professional education course requirements:

Include the following courses and their credit hour values:

- PSY 315 - Child Development, 4 credit hours
- EDU 101X - Introduction to Education and Teaching, 3 credit hours
- EDU 103DX - Education of Children with Special Needs, 2 credit hours
- EDU 114 - 21st Century Productivity Tools, 1 credit hour
- EDU 203 - Theoretical Foundations in Early Childhood Education, 3 credit hours
- EDU 204 - Phonics and Spelling Development, 3 credit hours
- EDU 207 - Planning Instruction and Guiding Young Children, 3 credit hours
- EDU 210 - Classroom Dynamics: Environments, Families, and Community Partners, 3 credit hours
- EDU 211D - Exploring Education in a Diverse Society, 3 credit hours
- EDU 214 - Media Resources for the Education Professional, 2 credit hours
- EDU 221 - Language Development and Emergent Literacy, 3 credit hours
- EDU 301 - Arts Integration in the Early Childhood Education Classroom, 3 credit hours
- EDU 314 - 21st Century Classroom Technology, 1 credit hour
- EDU 323 - Processes & Inquiry in Science/Social Studies in Early Childhood, 3 credit hours
- EDU 330 - Assessment and Data Based Decision Making in Early Childhood Education, 3 credit hours
- EDU 333 - Reading Instruction in Early Childhood Education, 3 credit hours
- EDU 334 - Diagnostic and Remedial Reading Methods, 3 credit hours
- EDU 337 - Mathematics Instruction in Early Childhood Education, 3 credit hours
- EDU 480 - Clinical Practice in Early Childhood, 9 credit hours
- EDU 492 - Senior Capstone Seminar, 3 credit hours

Note: The degree earned with a major in Early Childhood Education is a Bachelor of Science in Education (B.S.Ed.)

To earn an additional license in Mild/Moderate Educational Needs, the Early Childhood Education candidate must complete the following sequence of courses.

- EDU 274 - Introduction to Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 276 - Behavioral Management for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 347 - Mathematics Instruction in Middle Childhood Education, 3 credit hours
- EDU 348 - Reading in the Content Area, 3 credit hours
- EDU 377 - Assessment for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 394 - Remediation Across the Curriculum, 3 credit hours
- EDU 475 - Professional Collaboration and Transition Development, 3 credit hours
- EDU 415 - Clinical Practice in Mild/Moderate Educational Needs, 5 credit hours (1/2 semester)
- EDU 417 - Clinical Practice in Early Childhood Education, 4 credit hours (1/2 semester)

Education: Middle Childhood (4-9), B.S.Ed.

Minimum professional education credits required: **49**

For a Middle Childhood Education license, a student must major in Middle Childhood Education, and earn a baccalaureate degree, including the prescribed program of general education, and professional education. In addition, the student must also take the required courses in two of the following teaching fields:

- Reading and Language Arts
- Mathematics
- Science
- Social Studies

Depending on the teaching fields chosen, students may need to complete additional method courses that correspond to each teaching field. Social Studies students should take EDU 345, Science students should take EDU 346, and Math students should take EDU 347.

Basic professional education course requirements:

Include the following courses and their credit hour values:

- PSY 315 - Child Development, 4 credit hours
- **OR**
- PSY 325 - Adolescent Development, 4 credit hours

- EDU 101X - Introduction to Education and Teaching, 3 credit hours
- EDU 103DX - Education of Children with Special Needs, 2 credit hours
- EDU 114 - 21st Century Productivity Tools, 1 credit hour
- EDU 201 - Teaching Strategies and Management Skills, 3 credit hours
- EDU 204 - Phonics and Spelling Development, 3 credit hours
- EDU 205 - Introduction to Middle Childhood Education, 3 credit hours
- EDU 211D - Exploring Education in a Diverse Society, 3 credit hours
- EDU 214 - Media Resources for the Education Professional, 2 credit hours
- EDU 314 - 21st Century Classroom Technology, 1 credit hour
- EDU 340 - Assessment and Data Literacy, 3 credit hours
- EDU 343 - Literacy Instruction with Adolescents, 3 credit hours
- EDU 348 - Reading in the Content Area, 3 credit hours
- EDU 349 - Literacy Assessment & Remediation for Adolescents, 3 credit hours
- EDU 481 - Clinical Practice in Middle Childhood Education, 9 credit hours
- EDU 492 - Senior Capstone Seminar, 3 credit hours

Note(s): The degree earned with a major in middle childhood education is a Bachelor of Science in Education (B.S.Ed.).

*Teaching fields qualify as minors for middle childhood majors.

See the School of Education for **REQUIRED** courses in each area.

To earn an additional license in Mild/Moderate Educational Needs, the Middle Childhood Education candidate must complete the following sequence of courses:

- EDU 274 - Introduction to Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 276 - Behavioral Management for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 333 - Reading Instruction in Early Childhood Education, 3 credit hours
- EDU 337 - Mathematics Instruction in Early Childhood Education, 3 credit hours
- EDU 377 - Assessment for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 394 - Remediation Across the Curriculum, 3 credit hours
- EDU 475 - Professional Collaboration and Transition Development, 3 credit hours
- EDU 415 - Clinical Practice in Mild/Moderate Educational Needs, 5 credit hours (1/2 semester)
- EDU 418 - Clinical Practice in Middle Childhood Education, 4 credit hours (1/2 semester)

Education: Mild/Moderate Educational Needs (K-12), B.S.Ed.

Minimum professional education credits required: **77**

For an Intervention Specialist license, a student must major in Mild/Moderate Educational Needs and earn a baccalaureate degree including the prescribed program of general education, professional education, curriculum content, and specialization courses.

Basic professional education and specialization course requirements:

- PSY 205 - Developmental Psychology, 3 credit hours
- PSY 315 - Child Development, 4 credit hours
- PSY 325 - Adolescent Development, 4 credit hours
- EDU 101X - Introduction to Education and Teaching, 3 credit hours
- EDU 103DX - Education of Children with Special Needs, 2 credit hours
- EDU 114 - 21st Century Productivity Tools, 1 credit hour
- EDU 201 - Teaching Strategies and Management Skills, 3 credit hours
- EDU 204 - Phonics and Spelling Development, 3 credit hours
- EDU 211D - Exploring Education in a Diverse Society, 3 credit hours
- EDU 214 - Media Resources for the Education Professional, 2 credit hours
- EDU 221 - Language Development and Emergent Literacy, 3 credit hours
- EDU 274 - Introduction to Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 276 - Behavioral Management for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 314 - 21st Century Classroom Technology, 1 credit hour
- EDU 333 - Reading Instruction in Early Childhood Education, 3 credit hours
- EDU 345 - Social Studies Instruction in Middle Childhood Education, 3 credit hours
- EDU 346 - Science/Health Instruction in Middle Childhood Education, 3 credit hours
- EDU 347 - Mathematics Instruction in Middle Childhood Education, 3 credit hours
- EDU 348 - Reading in the Content Area, 3 credit hours
- EDU 349 - Literacy Assessment & Remediation for Adolescents, 3 credit hours
- EDU 377 - Assessment for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 394 - Remediation Across the Curriculum, 3 credit hours
- EDU 475 - Professional Collaboration and Transition Development, 3 credit hours
- EDU 484 - Clinical Practice in Mild/Moderate Educational Needs, 9 credit hours

- EDU 492 - Senior Capstone Seminar, 3 credit hours

License

Education: Adolescent Young Adult (7-12) License

Minimum professional education credits required: **44**

For adolescent young adult licenses, a student majors in an academic area and completes courses required for license. AYA candidates complete requirements for a major. Please refer to specific major requirements.

For AYA candidates Education is the minor. Degrees offered include B.A. and B.S., depending upon the major.

Basic professional education course requirements:

Include the following courses and their credit hour values:

- PSY 325 - Adolescent Development, 4 credit hours
- EDU 101X - Introduction to Education and Teaching, 3 credit hours
- EDU 103DX - Education of Children with Special Needs, 2 credit hours
- EDU 114 - 21st Century Productivity Tools, 1 credit hour
- EDU 201 - Teaching Strategies and Management Skills, 3 credit hours
- EDU 206 - Introduction to Adolescent Education, 2 credit hours
- EDU 211D - Exploring Education in a Diverse Society, 3 credit hours
- EDU 214 - Media Resources for the Education Professional, 2 credit hours
- EDU 314 - 21st Century Classroom Technology, 1 credit hour
- EDU 340 - Assessment and Data Literacy, 3 credit hours
- EDU 348 - Reading in the Content Area, 3 credit hours
- EDU 350-357 - Special Methods in Adolescent Young Adult/Multi-age Teaching Field, 3/4 credit hours
- EDU 375 - Internship in Adolescent/Young Adult Education, 2 credit hours
- EDU 487 - Clinical Practice, Adolescent Young Adult, 9 credit hours
- EDU 492 - Senior Capstone Seminar, 3 credit hours

Note: *Completing AYA requirements constitutes a minor in Education.

Licensure Courses

Adolescent Young Adult Education (grades seven through twelve): Integrated Language Arts; Integrated Mathematics; Integrated Science; Integrated Social Studies; Life Sciences; and Physical Sciences

See the School of Education for REQUIRED courses in each area.

To earn an additional license in Mild/Moderate Educational Needs, the Adolescent Young Adult candidate must complete the following sequence of courses:

- EDU 204 - Phonics and Spelling Development, 3 credit hours
- EDU 274 - Introduction to Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 276 - Behavioral Management for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 333 - Reading Instruction in Early Childhood Education, 3 credit hours
- EDU 334 - Diagnostic and Remedial Reading Methods, 3 credit hours
- EDU 337 - Mathematics Instruction in Early Childhood Education, 3 credit hours
- EDU 377 - Assessment for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 394 - Remediation Across the Curriculum, 3 credit hours
- EDU 475 - Professional Collaboration and Transition Development, 3 credit hours

- EDU 415 - Clinical Practice in Mild/Moderate Educational Needs, 5 credit hours (1/2 semester)
- EDU 419 - Clinical Practice in Adolescent Young Adult/Multi-Age Education, 4 credit hours (1/2 semester)

Education: Multi-Age (preK-12) License

Minimum professional education credits required: 42

For multi-age licenses, a student majors in an academic area and completes courses required for license. Degrees offered include B.A., B.S., and B.M.E., depending upon major.

Basic professional education course requirements:

Include the following courses and their credit hour values:

- PSY 325 - Adolescent Development, 4 credit hours
- EDU 101X - Introduction to Education and Teaching, 3 credit hours
- EDU 103DX - Education of Children with Special Needs, 2 credit hours
- EDU 114 - 21st Century Productivity Tools, 1 credit hour
- EDU 201 - Teaching Strategies and Management Skills, 3 credit hours
- EDU 206 - Introduction to Adolescent Education, 2 credit hours
- EDU 211D - Exploring Education in a Diverse Society, 3 credit hours
- EDU 214 - Media Resources for the Education Professional, 2 credit hours
- EDU 314 - 21st Century Classroom Technology, 1 credit hour
- EDU 340 - Assessment and Data Literacy, 3 credit hours
- EDU 348 - Reading in the Content Area, 3 credit hours
- EDU 350-357 - Special Methods in Adolescent Young Adult/Multi-age Teaching Field, 3/4 credit hours
- EDU 490 - Clinical Practice, Multi-Age Education, 9 credit hours
- EDU 492 - Senior Capstone Seminar, 3 credit hours

Note: *Completing Multi-Age requirements constitutes a minor in Education.

Licensure Courses:

Multi-Age Education (prekindergarten through twelve): Foreign Languages-French, German, Spanish; Health; Music; Physical Education; and Visual Arts.

See School of Education for REQUIRED courses in each area.

Music Education candidates have a professional education program that varies from the program listed here. See Music Education for details.

To earn an additional license in Mild/Moderate Educational Needs, the Multi-Age Education candidate must complete the following sequence of courses:

- EDU 204 - Phonics and Spelling Development, 3 credit hours
- EDU 274 - Introduction to Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 276 - Behavioral Management for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 334 - Diagnostic and Remedial Reading Methods, 3 credit hours
- EDU 343 - Literacy Instruction with Adolescents, 3 credit hours
- EDU 347 - Mathematics Instruction in Middle Childhood Education, 3 credit hours
- EDU 377 - Assessment for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 394 - Remediation Across the Curriculum, 3 credit hours
- EDU 475 - Professional Collaboration and Transition Development, 3 credit hours
- EDU 415 - Clinical Practice in Mild/Moderate Educational Needs, 5 credit hours (1/2 semester)
- EDU 419 - Clinical Practice in Adolescent Young Adult/Multi-Age Education, 4 credit hours (1/2 semester)

Engineering

Majors

Engineering, B.S.

Required Courses:

- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- CSC 212 - Intro to Programming for Scientists & Engineers, 3 credit hours
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours
- MTH 243 - Calculus III, 4 credit hours
- MTH 235 - Probability & Statistics for Scientists & Engineers, 3 credit hours
- MTH 245 - Differential Equations, 3 credit hours
- PHY 131 - General Physics I, 4 credit hours
- PHY 151 - Introductory Physics Lab I, 1 credit hour
- PHY 132 - General Physics II, 4 credit hours
- PHY 152 - Introductory Physics Lab II, 1 credit hour
- ECN 288X - Engineering Economics, 3 credit hours
- BUS 340 - Biomimicry- Naturally Inspired Innovation, 3 credit hours
- EGR 101 - Introduction to Engineering, 1 credit hour
- EGR 102 - Introduction to Engineering Design & Analysis, 2 credit hours
- EGR 103 - Engineering Graphics, 1 credit hour
- EGR 200 - Statics & Dynamics, 4 credit hours
- EGR 201 - Mechanics of Materials, 4 credit hours
- EGR 202 - Creativity & Design Thinking, 2 credit hours
- EGR 203 - Thermodynamics & Fluid Mechanics I, 4 credit hours
- EGR 300 - Electronics, Circuits & Devices, 3 credit hours
- EGR 301 - Engineering Materials & Manufacturing, 4 credit hours
- EGR 303 - Sensors and Controls, 3 credit hours
- EGR 304 - Experiment Engineering, 3 credit hours
- EGR 305 - Global Engineering Experience, 3 credit hours
- EGR 306 - Product Design & Entrepreneurship, 3 credit hours
- EGR 463 - Engineering Seminar, 1 credit hour
- EGR 464 - Engineering Capstone I, 2 credit hours
- EGR 465 - Engineering Capstone II, 3 credit hours

Technical Electives:

Take 6 credits from the following-

- EGR 110 - History of Engineering & Technology, 1 credit hour
- EGR 310 - Thermodynamics & Fluid Mechanics II, 3 credit hours
- EGR 410 - Heat Transfer, 3 credit hours
- EGR 420 - Direct Energy Conversion, 3 credit hours

English

The curriculum in English offers study in several areas. Interested students may take courses designed to improve their understanding of and skills in essay writing, creative writing, and journalistic writing. Courses in literature offer students the opportunity to learn to read perceptively in the various genres and to study American, British, and World literatures in an historical context. Courses in language explore the nature of language, its role in society, and the history and current state of English. The major provides useful preparation for graduate school in English, for professional school in law, and for careers in public relations, education, advertising, publishing, and journalism.

Majors

Creative Writing, B.A.

Minimum credits required: 45

Foundational Writing and Literature Courses: 6 credits

- ENG 125 - Introduction to Literature: Fiction, Poetry, and Drama, 3 credit hours
- ENG 131 - Workshop in Exposition and Argument, 3 credit hours

Workshops in Creative Writing: 9 credits

- ENG 233 - Workshop in Creative Writing, 3 credit hours : Fiction
- ENG 233 - Workshop in Creative Writing, 3 credit hours : Playwriting
- ENG 233 - Workshop in Creative Writing, 3 credit hours : Poetry

Historical Surveys: 9 credits (3 of the following courses)

- ENG 241I - Survey of British Literature I, 3 credit hours
- ENG 242I - Survey of British Literature II, 3 credit hours
- ENG 251D - Survey of American Literature I, 3 credit hours
- ENG 252D - Survey of American Literature II, 3 credit hours
- ENG 280I - Survey of World Literature, 3 credit hours

Workshops in Advanced Creative Writing: 6 credits

- ENG 307 - Advanced Creative Writing, 3 credit hours
- ENG 350 - Advanced Creative Writing II, 3 credit hours

Advanced Studies in Literature: 12 credits (4 courses)

- ENG 316(I,D) - Studies in Literary History, 3 credit hours
- ENG 328(I,D,X) - Studies of Major Authors, 3 credit hours
- ENG 335I - Studies in World Literature, 3 credit hours
- ENG 336(I,D) - Studies in Specific Genres, Themes or Modes, 3 credit hours

Note: ENG 316(I,D), ENG 328(I,D,X), ENG 335I, ENG 336(I,D) are not individual courses; they are inclusive categories of courses. For example, there is no course called ENG 328(I,D,X) Major Authors. Rather, there is ENG 328I Chaucer, ENG 328I Shakespeare, etc. There is no requirement to take one of each number (for example, one 316, one 328, etc.).

ENG 308, Nature Writing, may be substituted for one 300-level literature course listed above.

Seminar in Creative Writing: 3 credits

- ENG 450 - Seminar in Creative Writing, 3 credit hours

Note: With the exception of ENG 131 exemptions as determined by the English Department and transfer credits proven by documentation to be course equivalents for any but not more than one ENG 233: Workshop in Creative Writing, no prerequisites and requirements for the Creative Writing major or minor may be waived or adjusted.

A student may not combine the major or minor in Creative Writing with a major or minor in English.

English AYA Licensure

These requirements are explained under the School of Education. Students who wish to teach English in Ohio schools should check with the School of Education for further explanation of these requirements.

English, B.A.

Minimum credits required (5 categories): **42** (plus prerequisites as indicated)

1. Introductions to literary analysis and interpretation: 3 credits

- ENG 125 - Introduction to Literature: Fiction, Poetry, and Drama, 3 credit hours

2. Historical Surveys: 12 credits (4 of the following courses)

- ENG 241I - Survey of British Literature I, 3 credit hours
- ENG 242I - Survey of British Literature II, 3 credit hours
- ENG 251D - Survey of American Literature I, 3 credit hours
- ENG 252D - Survey of American Literature II, 3 credit hours
- ENG 280I - Survey of World Literature, 3 credit hours

3. Language: 3 credits

- ENG 210 - Introduction to the Study of Language, 3 credit hours

4. Writing: 6 credits

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours

Choose one additional course from the following

- CAS 232 - Workshop in Journalism, 3 credit hours
- ENG 233 - Workshop in Creative Writing, 3 credit hours (Fiction, Playwriting, Poetry)
- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours ^
- ENG 308 - Nature Writing, 3 credit hours ^
- ENG 309SX - Grant Writing, 3 credit hours ^

5. Advanced Studies in English: 18 credits (6 of the following courses)

a. Advanced Writing Courses

- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours ^
- ENG 307 - Advanced Creative Writing, 3 credit hours
- ENG 308 - Nature Writing, 3 credit hours ^
- ENG 309SX - Grant Writing, 3 credit hours ^
- ENG 350 - Advanced Creative Writing II, 3 credit hours
- ENG 450 - Seminar in Creative Writing, 3 credit hours

b. Advanced Literature Courses

- ENG 316(I,D) - Studies in Literary History, 3 credit hours
- ENG 328(I,D,X) - Studies of Major Authors, 3 credit hours
- ENG 335I - Studies in World Literature, 3 credit hours
- ENG 336(I,D) - Studies in Specific Genres, Themes or Modes, 3 credit hours
- ENG 463 - Seminar, 1-4 credit hours

At least four of a student's Advanced Study courses must be Advanced Literature courses (ENG 316, 328, 335I, 336, 463).

Note: ENG 308, ENG 316(I,D), ENG 328(I,D,X), ENG 335I, ENG 336(I,D), ENG 463 are not individual courses; they are inclusive categories of courses. For example, there is no course called ENG 328(I,D,X) Major Authors. Rather, there is ENG 328I Chaucer, ENG 328I Shakespeare, etc. There is no requirement to take one of each number (for example one 316, one 328, etc.).

^ If ENG 305, ENG 308 or ENG 309SX was used to fulfill the Writing requirement, it may not be used to fulfill the Advanced Studies requirement as well.

A student may major or minor in English but not both.

English AYA Licensure

These requirements are explained under the School of Education. Students who wish to teach English in Ohio schools should check with the School of Education for further explanation of these requirements.

Minors

English Minor

The English minor consists of ENG 131 and five elective courses for a total of 18 credits. At least two of the elective courses must be at the 300/400 level.

Required:

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours

Choose 5 Electives Below: (at least 2 courses must be at the 300/400 level)

- ENG 125 - Introduction to Literature: Fiction, Poetry, and Drama, 3 credit hours
- ENG 129(I) - Special Topics, 2-3 credit hours
- ENG 210 - Introduction to the Study of Language, 3 credit hours
- ENG 213 - Applied English Grammar, 2 credit hours
- ENG 220 - Literature for Adolescents, 3 credit hours
- CAS 232 - Workshop in Journalism, 3 credit hours
- ENG 233 - Workshop in Creative Writing, 3 credit hours

- ENG 241I - Survey of British Literature I, 3 credit hours
- ENG 242I - Survey of British Literature II, 3 credit hours
- ENG 251D - Survey of American Literature I, 3 credit hours
- ENG 252D - Survey of American Literature II, 3 credit hours
- ENG 263I - Seminar, 2-4 credit hours
- ENG 280I - Survey of World Literature, 3 credit hours
- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours
- ENG 307 - Advanced Creative Writing, 3 credit hours
- ENG 308 - Nature Writing, 3 credit hours
- ENG 309SX - Grant Writing, 3 credit hours
- ENG 316(I,D) - Studies in Literary History, 3 credit hours
- ENG 328(I,D,X) - Studies of Major Authors, 3 credit hours
- ENG 335I - Studies in World Literature, 3 credit hours
- ENG 336(I,D) - Studies in Specific Genres, Themes or Modes, 3 credit hours
- ENG 350 - Advanced Creative Writing II, 3 credit hours
- ENG 450 - Seminar in Creative Writing, 3 credit hours
- ENG 463 - Seminar, 1-4 credit hours

English: Creative Writing Minor

A minimum of **18** credits are required for the English minor in creative writing.

Requirements:

- ENG 125 - Introduction to Literature: Fiction, Poetry, and Drama, 3 credit hours
- One additional literature class at the 100, 200 level, 3 credit hours
- ENG 233 - Workshop in Creative Writing, 3 credit hours :Fiction
- ENG 233F Workshop in Creative Writing, 3 credit hours :Poetry
- ENG 307 - Advanced Creative Writing, 3 credit hours
- ENG 450 - Seminar in Creative Writing, 3 credit hours

English as a Second Language

English as a Second Language (ESL) services are available to all Baldwin Wallace students whose first language is not English. These services are provided for international students as well as other BW students. ESL Sections of ENG 111 College Composition (3 credits) and ENG 131 Workshop in Exposition and Argumentation (3 credits) are offered each semester. Students in ENG 111 and ENG 131 will experience the same reading and writing instruction as native speakers, but the ESL sections allow instructors to pay particular attention to the needs of non-native speakers.

Placement into these courses is determined by an on-campus placement process conducted by experienced ESL instructors who are also Writing Specialists in the Baldwin Wallace Writing Lab. Placement testing occurs during international student orientation before the semester begins, and courses are scheduled to allow for easy scheduling and changes of placement as necessary in the first week of class. Students who have been placed into the ESL section of ENG 111 will take the ESL section of ENG 131 in the next semester unless their ENG 111 ESL instructor deems them ready for the non-ESL section of ENG 131. They also have the option of re-taking the ESL placement test.

In addition to these courses, ESL-trained tutors are available for individual instruction, assistance with written assignments, and independent study through the English department's Writing Lab, located on the second floor of Ritter Library. Students can sign up for ESL tutoring appointments using Appointment Plus by going to the BW Smart tab and clicking "Book Your Appointment Now". Tutoring appointments are offered free of charge.

Environmental Science

Majors

Environmental Science, B.S.

Environmental Science is fundamentally interdisciplinary through its integration of concepts from biology, chemistry, and geology to study and solve environmental problems. As such, the Environmental Science curriculum provides an interdisciplinary approach to investigating the scientific principles related to Earth's environment through courses in biology, chemistry, and geology, as well as environmental science. Research, critical thinking, and communication skills are emphasized in this program in order to best prepare students for a career in environmental science or graduate school.

Environmental Science majors may not declare a Biology minor.

Required Courses:

- ENV 101 - Principles of Environmental Science, 3 credit hours
- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- GEO 111 - The Dynamic Earth, 4 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- ENV 201 - Energy and Climate, 3 credit hours
- GEO 205 - Geographic Information Systems, 3 credit hours
- GEO 227 - Environmental Geology, 3 credit hours
- CHM 251 - Organic Chemistry I, 4 credit hours
- CHM 255 - Organic Chemistry I Laboratory, .5 credit hour
- BIO 281 - Environmental Biology, 4 credit hours
- CHM 281 - Environmental Chemistry, 3 credit hours
- CHM 285 - Environmental Chemistry Laboratory, 1 credit hour
- BIO 313 - Ecology, 4 credit hours
- ENV 464 - Environmental Science Capstone, 3 credit hours

Electives:

Take 3 of the following courses, including at least one from each subject.

- BIO 308 - Evolution of Animal Behavior, 4 credit hours
- BIO 309 - Vertebrate Natural History, 4 credit hours
- BIO 310 - Evolution, 4 credit hours
- BIO 322 - Plant Evolution, 4 credit hours
- BIO 334 - Invertebrate Natural History, 4 credit hours
- BIO 337 - Plant Physiology, 4 credit hours
- GEO 315 - Hydrology, 4 credit hours
- GEO 316 - Soils and Geomorphology, 4 credit hours

Foreign Languages and Literatures

Why take a foreign language at the University?

Language classes are an excellent opportunity to enhance your studies at the University. Many people have found the developing those skills which you began in high school can help smooth the transition to the University. Studying a language can also help you develop into a better all-around student. Foreign language study is the key to intercultural knowledge because you learn much about the traditions, customs and values of the cultures where the language is spoken. Once you know one foreign culture better, you will have a new perspective from which to understand and appreciate many other cultures. In addition, you will also learn a great deal about the structure of your own language and the values of your own culture.

Your potential career opportunities also offer a very practical reason for learning a foreign language, because the knowledge of a foreign language in connection with other University training can set you apart from monolingual job candidates.

Many students have discovered that it is not difficult to combine foreign language learning with other areas of study. For example, you need only two courses in the same language to fulfill the International Studies core requirement, and literature classes in any foreign language satisfy the Humanities Fine Arts core requirements. It is common for students to double major or minor in a foreign language and another field of interest. A minor in German, French or Spanish is only a commitment of 17-18 hours above the 100-level. A significant number of BW students with various majors also study abroad each year.

Placement in Foreign Language Classes

Many students have questions about which course is the most appropriate entry point into the study of a foreign language. To insure success, it is important that students choose the proper level. Choosing a level too high can create frustration, but a level too low can cause you to lose interest quickly. The following guidelines should be of help.

When you are deciding among the entry-level courses, 101, 102 and 201, the factors to consider are: 1) the amount of previous experience with the language; 2) the quality of the previous experience; 3) the amount of time which has elapsed since you last studied the language; and 4) your placement test score.

All students beginning Spanish, French or German at Baldwin Wallace University who have not taken the foreign language placement exam before enrolling will be asked by their language teachers to take the test at the beginning of the first week of classes.

101 is meant for true beginners and is most appropriate for students who have had no previous knowledge of the language. Students with up to 2 years of high school instruction may take this course, if their preparation is not sufficient to take 102 or 201. If other factors such as those listed above make you feel that you need to take 101, despite having had more than two years of previous experience, you should take the placement exam and contact the Department of Foreign Languages and Literatures for advice.

102 is most appropriate for students who have previous knowledge of the language such as that equivalent to the catalog course description of 101, but who still need an introduction to the topics listed in the catalog description of 102.

201 is most appropriate for students who have been introduced to and have some understanding of the basic grammar, but who now need to review and refine what they know. Typically, students with 3 or more years of high school instruction and those who have completed the 102 level enroll in 201. This course builds upon the foundation laid in the 101-102 sequence by providing an expansion of the 4 skills of reading, writing, speaking and listening.

During the first week of classes you should speak to your instructor if you feel you are not placed in the most appropriate course. Students who seek initial placement in foreign language courses at the 202 level and above must get special permission from the professor in the Department who is responsible for that language.

Education Majors Planning to Teach in Foreign Languages are required to spend at least one academic semester or a total of 15 weeks abroad studying the language for which they seek licensure. Although we suggest spending the entire time in one extended visit, students may combine visits to reach the total as long as one visit is a minimum of eight weeks long. The program and projected plan of study should be approved by the student's academic advisor in the Department of Foreign Languages prior to enrolling in the program.

Majors

French, B.A.

Courses in French are designed to aid in the preparation of students for effective participation as citizens of the world community. The program is structured to develop skill in the use of the French language, to afford a broad knowledge of French literature and civilization, and to nurture discriminating taste in that literature and the related arts.

Major students must complete a minimum of 34 credits beyond the 100-level courses. Certification to teach French is possible for students who also complete applicable requirements of the School of Education. Education majors planning to teach French are required to spend at least one academic semester or a total of 15 weeks abroad studying the language for which they seek licensure. Although we suggest spending the entire time in one extended visit, students may combine visits to reach the total as long as one visit is a minimum of eight weeks long. The program and projected plan of study should be approved by the student's academic advisor in the Department of Foreign Languages prior to enrolling in the program.

Minimum credits required: **34**

Required courses:

- FRN 201 - Intermediate French I, 4 credit hours
- FRN 202 - Intermediate French II, 4 credit hours
- FRN 221I - French Conversation, 3 credit hours
- FRN 275I - Introduction to Literature, 4 credit hours
- FRN 310I - Civilization I, 3 credit hours
- FRN 311I - Civilization II, 3 credit hours
- FRN 335I - Advanced Grammar & Composition, 4 credit hours
- HUM 285I - Intercultural Communication, 3 credit hours

At least 6 hours from the following literature courses must be successfully completed:

- FRN 263 - Seminar, 1-4 credit hours
- FRN 375I - Survey of French Literature I, 3 credit hours
- FRN 376I - Survey of French Literature II, 3 credit hours
- FRN 463 - Seminar, 1-4 credit hours

Note: The seminars FRN 263 and FRN 463 can be substituted for required classes according to the topic. Substitutions require departmental approval.

German, B.A.

There is no better way to internationalize your resume than to become fluent in a language and there's no better way to demonstrate your interest in languages than to complement your studies with a major or minor in a foreign language!

With a German major, you will study the language and culture of Germany, a stalwart ally and friend to the US, the most populous country in Europe and the third largest exporter in the world! With more than 25% of Ohioans claiming German heritage, German-Americans are the largest ethnic group in Ohio and are early founders of our own institution which once encompassed "German Wallace College."

German courses are aimed at developing skills in the use of the German language, an appreciation of the literature of German-speaking countries, and an acquaintance with the cultures of these countries. Students majoring in German must complete a minimum of 33 semester hours beyond the 100-level courses. Certification to teach German is possible for students who also complete applicable requirements of the School of Education. Education majors planning to teach German are required to spend at least one academic semester or a total of 15 weeks abroad studying the language for which they seek licensure. Although we suggest spending the entire time in one extended visit, students may combine visits to reach the total as long as one visit is a minimum of eight weeks long. The program and projected plan of study should be approved by the student's academic advisor in the Department of Foreign Languages prior to enrolling in the program.

Minimum credits required: **33**

Required courses:

- GER 201 - Intermediate German I, 4 credit hours
- GER 202 - Intermediate German II, 4 credit hours
- GER 221I - German Conversation, 2 credit hours
- GER 275I - Introduction to German Literature, 4 credit hours
- GER 310I - German Civilization, 3 credit hours
- GER 335I - Advanced Composition and Conversation, 4 credit hours
- HUM 285I - Intercultural Communication, 3 credit hours

At least 6 hours from the following literature courses must be successfully completed:

- GER 263I - Seminar, 3 credit hours
- GER 375I - Survey of German Literature I, 3 credit hours
- GER 376I - Survey of German Literature II, 3 credit hours
- GER 463I - Special Topics Seminar, 3 credit hours

Note: The remaining credits may be completed with any German courses above the 100 level. The seminars GER 263I and GER 463I can be substituted for required classes according to the topic. Substitutions require departmental approval.

Spanish, B.A.

Courses in Spanish are designed to develop skills in the use of the Spanish language as well as an appreciation of the language, literature, history and culture of the Spanish-speaking peoples of the world. Students majoring in Spanish must complete a minimum of 33 semester hours beyond the 100-level courses. Certification to teach Spanish is possible for students who also complete applicable requirements of the School of Education. Education majors planning to teach Spanish are required to spend at least one academic semester or a total of 15 weeks abroad studying the language for which they seek licensure. Although we suggest spending the entire time in one extended visit, students may combine visits to reach the total as long as one visit is a minimum of eight weeks long. The program and projected plan of study should be approved by the student's academic advisor in the Department of Foreign Languages prior to enrolling in the program.

Minimum credits required: **33**

Required courses:

- SPN 201 - Intermediate Spanish I, 4 credit hours

- SPN 202 - Intermediate Spanish II, 4 credit hours
- SPN 301I - Advanced Spanish I, 2 credit hours
- SPN 302I - Advanced Spanish II, 4 credit hours
- SPN 303I - Introduction to Hispanic Literature, 4 credit hours
- SPN 310I - Spanish Culture and Civilization, 3 credit hours
- SPN 311I - Spanish-American Civilization, 3 credit hours
- HUM 285I - Intercultural Communication, 3 credit hours

At least 6 hours from the following literature courses must be successfully completed:

- SPN 263I - Seminar, 3 credit hours
- SPN 375I - Survey of Spanish Literature, 3 credit hours
- SPN 376I - Survey of Spanish-American Literature, 3 credit hours
- SPN 463 - Seminar, 3 credit hours

Note: The seminars SPN 263I and SPN 463 can be substituted for required classes according to the topic. Substitutions require departmental approval.

Minors

French Minor

Requirements:

Students wishing to minor in French must complete a minimum of **18** credits beyond the 100-level courses.

- FRN 201 - Intermediate French I, 4 credit hours
- FRN 202 - Intermediate French II, 4 credit hours (or Advanced Placement)
- FRN 221I - French Conversation, 3 credit hours
- FRN 275I - Introduction to Literature, 4 credit hours
- and at least one course at the 300 level.

German Minor

Requirements:

Students wishing to minor in German must complete a minimum of **17** credits beyond the 100-level courses.

- GER 201 - Intermediate German I, 4 credit hours
- GER 202 - Intermediate German II, 4 credit hours (or Advanced Placement)
- GER 275I - Introduction to German Literature, 4 credit hours
- OR**
- GER 263I - Seminar, 3 credit hours

And at least one of the following:

- GER 263I - Seminar, 3 credit hours
- GER 310I - German Civilization, 3 credit hours
- GER 335I - Advanced Composition and Conversation, 4 credit hours
- GER 375I - Survey of German Literature I, 3 credit hours
- GER 376I - Survey of German Literature II, 3 credit hours
- GER 463I - Special Topics Seminar, 3 credit hours

Any additional courses above 202 may be used to satisfy the remainder of the credit hours.

Spanish Minor

Requirements:

Students wishing to minor in Spanish must complete a minimum of **17** credits beyond the 100-level courses.

- SPN 201 - Intermediate Spanish I, 4 credit hours
- SPN 202 - Intermediate Spanish II, 4 credit hours (or Advanced Placement)
- SPN 301I - Advanced Spanish I, 2 credit hours
- SPN 303I - Introduction to Hispanic Literature, 4 credit hours
- One 300-level course, 3 credit hours

Gender Studies

Gender Studies examines the significance of social constructions of sex, gender, and sexuality as they structure the meaning of personal identity and social institutions like work, family, medicine, and the law. The Gender Studies minor is an interdisciplinary program that allows students to choose from a number of different disciplines and topics to meet their individual interests while also acquiring a breadth of knowledge about how gender and sexuality are explored across multiple academic fields. Gender Studies courses seek to enhance the integration of knowledge about gender and the social institutions that help to structure it beyond the classroom to one's public and personal life.

Minors

Gender Studies Minor

The minor requires a total of **18** credit hours from the courses listed below, with credit accumulated from at least three different departmental prefixes. Up to four of those 18 credit hours can be substituted with an approved Independent Study or Internship coordinated with a faculty member working within the Gender Studies minor. Completion of the minor requires a not-for-credit reflection paper that summarizes the student's experience across the minor courses.

Questions about the minor should be addressed to Dr. Ana de Freitas Boe, Director of the Gender Studies minor, in the Department of English.

Requirements:

Choose 18 credits from at least 3 different prefixes from the following course listings. Student can also take up to 4 credits of independent study or internship for Gender Studies credit through one of the participating departments. (Gender Studies minors who have taken ENG 131 but who do not have the prerequisites to take a 300 level English course can ask to have the prerequisites waived by the professor of the class.)

- CAS 328(D) - Gender Communications, 3 credit hours
- ENG 220 - Literature for Adolescents, 3 credit hours
- ENG 328(I,D,X) - Jane Austen and Popular Culture, 3 credit hours
- ENG 335I - Studies in World Literature, 3 credit hours
- ENG 336(I,D) - Gender & the Gothic, 3 credit hours
- ENG 336(I,D) - Gender and Travel in the 18th Century, 3 credit hours
- ENG 336(I,D) - Early American Women's Narratives, 3 credit hours
- ENG 336(I,D) - Men Behaving Badly: Performing Masculinity, 3 credit hours
- HIS 235I - Women in Western Civilization, 3 credit hours
- HIS 236I - Women in Asian Civilizations, 3 credit hours
- HIS 260(I,D) - Topics in History, 3-4 credit hours
- HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours
- HPE 263 - Gender, Health, and Equity, 3 credit hours
- HPE 263 - The History of Women in Sports, 3 credit hours
- MUC 363D - Gender and Sexuality in Music Scholarship, 2 credit hours
- PHL 270D - Philosophy and Gender, 3 credit hours
- PHL 271D - Philosophy of Sexuality, 3-4 credit hours
- PHT 373 - Gender, Sex & Health, 3 credit hours
- POL 305D - Women, Politics, and the Media, 3 credit hours
- PSY 215D - Psychology of Women, 4 credit hours
- REL 193(I,D) - Sex, Science, and Scripture, 3 credit hours
- REL 216I - Women and Religion, 4 credit hours
- REL 293(I,D) - Race, Religion & Gender in Movies, 3 credit hours
- REL 393 - Religion, the Body, and Gender, 4 credit hours

- SOC 290D - Gender Roles, 3 credit hours
- SOC 320 - Victimology, 4 credit hours crosslisted as
- CRJ 320 - Victimology, 4 credit hours
- SOC 330D - Protests, Movements and Social Change, 3 credit hours

Geology

The geology minor and geology courses provide basic knowledge of the structural, physical and chemical nature of the planet and its manifestations on the surface. Course work in geology supports career interests in ecology and environmental science, sustainability, education, and nature interpretation.

Courses in Geology are offered by the Department of Biology and Geology. The goals of the geology course offerings are to instill in the student an appreciation of the earth's place and behavior in the universe; to give an understanding of the processes that have acted throughout time to shape the earth, its resources, and its life forms; to examine the effects of these processes on human habitation and the environment; and to bring an awareness of the interdisciplinary nature of the solutions to the earth's environmental problems. The minor is also offered to meet the needs of those preparing to teach earth sciences in primary and secondary schools, those who are simply interested in learning more about the earth as part of a liberal arts education, and provide a foundation for those who wish to do further work in geology or environmental sciences.

Minors

Geology Minor

Requirements:

A Geology minor shall consist of a minimum of 18 credit hours and must include:

- GEO 104 - Geology of National Parks, 4 credit hours
OR
- GEO 111 - The Dynamic Earth, 4 credit hours

- GEO 205 - Geographic Information Systems, 3 credit hours
- GEO 212 - Earth History, 4 credit hours
- A 300-level GEO course

Health, Physical Education & Sport Sciences

The School of Health, Physical Education and Sport Sciences offers courses that satisfy core curriculum requirements, BW major and minor programs of study, requirements for other University majors, and general electives.

HPE Core Curriculum Requirements

To satisfy the health and physical education wellness core requirement of the University, students are required to take 2 credits to fulfill the HPE requirement with core-designated (W) activity, technique, or health and wellness related courses. The W course requirement could be completed at any time and up to one credit hour can be transferred into BW.

Students may select any of the activity and technique courses offered, however, no specific activity or technique course may be repeated for credit except at a more advanced level. Students who have individual needs or are physically challenged may confer with the HPESS associate dean to discuss selection of appropriate courses.

The goal statement for the requirement is maintained (as approved in 2004):

To encourage students (1) to develop and lead healthy, active lives, assuming lifespan responsibility for personal health, fitness, and worthy use of leisure and/or (2) to become knowledgeable, proactive citizens in dealing with issues and policies related to individual, family, and community health, fitness, and wellness.

The continued goal for the requirement meets a BW Undergraduate Learning Outcome under Personal and Social Responsibility: *Demonstrate an understanding of the relationship between personal behaviors and life-long health and wellness.* (BW Undergraduate Learning Outcomes, 2011)

Diversity requirement of the Core Curriculum

HPE 423D may be applied to the core diversity requirement.

Majors and Minors

For students planning to major in any one of the majors offered by the School of Health, Physical Education and Sport Sciences, the School recognizes the goals and objectives of each major, explores the body of knowledge, and provides a foundation for students preparing to work and/or pursue graduate study in areas related to the major. Majors are offered in physical & health education licensure, sport management, athletic training, prephysical therapy, exercise science, health coaching and health promotion. Academic minors are designed to supplement any academic major. Minors are offered in athletic coaching, family studies, health coaching and health promotion, nutrition, recreation and sports medicine. Additional study is recommended beyond the minimum credits and required courses for each major and minor including HPE 050, HPE 070X, special topic seminars, and honors courses.

Majors

Athletic Training, B.A.

This CAATE (Commission on Accreditation of Athletic Training Education) accredited major is designed to prepare students to become skilled allied health care practitioners capable of working in the athletic training field as well as a multitude of other settings. Upon completion, students are eligible and expected to sit for the BOC (Board of Certification) examination in order to become a Certified Athletic Trainer (ATC). Major emphasis is placed on the development of cognitive knowledge and psychomotor skills and is accomplished by the integration of didactic coursework with laboratory, practicum, and clinical experiences. Students must be selected into the clinical experience component of the major and must pass eligibility standards to continue in the program. Admission is based on, but not limited to: documented clinical observation hours, prerequisite course grades, overall grade point average, evaluations, proficiency exam, and letters of recommendation. Details of program accreditation and selection standards are available from the Athletic Training Program Director as well as accessible on the Baldwin Wallace University Athletic Training Program website. <http://www.bw.edu/academics/undergraduate/athletic-training>

Minimum credits required: **66**

Required courses:

- HPE 182 - Introductory Practicum in Athletic Training, 1 credit hour
- HPE 201 - Orientation to HPE, 1 credit hour
- HPE 202 - Principles of Athletic Training, 2 credit hours
- HPE 205 - First Aid & Safety Education, 2 credit hours
- HPE 206 - Medical Terminology, 2 credit hours
- HPE 208 - Emergency Care Techniques for Athletic Trainers, 1 credit hour
- HPE 209 - Research Design & Statistics in Sport Sciences, 3 credit hours
- HPE 211W - Nutrition for the Athlete, 3 credit hours
- HPE 281 - Practicum in Athletic Training I, 1 credit hour
- HPE 282 - Practicum in Athletic Training II, 1 credit hour
- HPE 302 - Physiology Of Exercise, 3 credit hours
- HPE 303 - Health and Physical Fitness Assessment Techniques, 3 credit hours
- HPE 305 - Lower Extremity Evaluation, 3 credit hours
- HPE 306 - Therapeutic Modalities with Lab, 4 credit hours
- HPE 307 - Upper Extremity Evaluation, 3 credit hours
- HPE 308 - Athletic Training Administration, 3 credit hours
- HPE 309 - Therapeutic Exercise, 3 credit hours
- HPE 310 - General Medical Conditions in Athletes, 3 credit hours
- HPE 381 - Practicum in Athletic Training III, 1 credit hour
- HPE 382 - Practicum in Athletic Training IV, 1 credit hour
- HPE 423D - Exercise Prescription for Special Populations, 3 credit hours
- HPE 445 - Theory and Practice of Strength and Conditioning, 3 credit hours
- HPE 451 - Kinesiology/Biomechanics, 3 credit hours
- HPE 481X - Practicum in Athletic Training V, 1 credit hour
- HPE 482 - Practicum in Athletic Training VI, 1 credit hour
- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 204 - Human Anatomy and Physiology II, 4 credit hours
- PSY 100 - Principles of Psychological Science, 3 credit hours

Note(s): Athletic Training coursework that have accompanying psychomotor competencies must be completed at BW unless otherwise determined by the Program Director: HPE 182, HPE 201, HPE 202, HPE 205, HPE 208, HPE 305, HPE 306, HPE 307, HPE 308, HPE 309, HPE 310, HPE 281, HPE 282, HPE 381 HPE 382, HPE 481X and HPE 482. Transfer students should expect to be actively enrolled in BW's Athletic Training Program for a minimum of three years.

Recommended: CHM 111, PSY 205, HPE 221W, HPE 312W, HPE 321, and HPE 330W.

Exercise Science, B.A.

This major is designed to provide an opportunity for students to acquire theoretical and practical knowledge and develop skills related to exercise science, fitness management and strength and conditioning as they pertain to management and organization of corporate, community, or commercial fitness and health promotion and/or rehabilitation programs. Students successfully completing this major will be prepared as "competent entry-level Exercise Science professionals in the cognitive, psychomotor and affective learning domains" which will be demonstrated in the ability to conduct fitness testing and implement exercise programs for low- to moderate-risk clients and for individuals with controlled diseases. In addition, development of strength and conditioning programs for clients and athletes is also a focus for the major. Students completing this major must take an NCCA-accredited Exercise Science national exam prior to graduation with a preference for the American College of Sports Medicine or National Strength and Conditioning Association.

Minimum credits required: **47**

Required courses:

- HPE 180 - Introduction to Exercise Science, 3 credit hours
- HPE 201 - Orientation to HPE, 1 credit hour
- HPE 202 - Principles of Athletic Training, 2 credit hours
- HPE 205 - First Aid & Safety Education, 2 credit hours
- HPE 209 - Research Design & Statistics in Sport Sciences, 3 credit hours
- HPE 211W - Nutrition for the Athlete, 3 credit hours
- HPE 245 - Health Behavior Management, 3 credit hours
- HPE 302 - Physiology Of Exercise, 3 credit hours
- HPE 303 - Health and Physical Fitness Assessment Techniques, 3 credit hours
- HPE 304 - Health and Fitness Assessment Practicum, 1 credit hour
- HPE 345 - Fitness & Health Promotion Program Management & Leadership, 3 credit hours
- HPE 423D - Exercise Prescription for Special Populations, 3 credit hours
- HPE 445 - Theory and Practice of Strength and Conditioning, 3 credit hours
- HPE 451 - Kinesiology/Biomechanics, 3 credit hours
- HPE 470X - Internship, Credit hours to be arranged (3 credit hours required)
- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 204 - Human Anatomy and Physiology II, 4 credit hours

Notes: The following Exercise Science coursework **must be completed at BW** unless otherwise approved by the Academic Coordinator: HPE 201, HPE 209, HPE 245, HPE 302, HPE 303, HPE 304, HPE 423D, HPE 445.

Required HPE 470X Internship should be taken in student's last semester.

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites.

Health and Physical Education Teacher Education, B.A.

This major is designed to focus on the theoretical and practical knowledge and skills related to the planning, implementation, and evaluation of physical education and health education programs for learners ages three through twenty-one and pre-kindergarten through grade twelve. Multi-age license to teach physical education and health education is possible for students who successfully complete this major along with requirements for licensure as outlined by the School of Education.

Minimum credits required: **57**

Required courses:

- HPE 150W - Lifetime Leisure Activities, 2 credit hours
- HPE 151W - Team Games, 2 credit hours
- HPE 152W - Fitness and Physical Activity, 2 credit hours
- HPE 201 - Orientation to HPE, 1 credit hour
- HPE 205 - First Aid & Safety Education, 2 credit hours
- HPE 207W - Nutrition for Daily Living, 3 credit hours
- HPE 221W - Personal Health, 3 credit hours
- HPE 222W - Community Health, 3 credit hours
- HPE 230 - Physical Education Methods for Early Childhood and Elementary School, 3 credit hours
- HPE 232 - Physical Education Methods for Middle and High School, 3 credit hours
- HPE 302 - Physiology Of Exercise, 3 credit hours
- HPE 312W - Substance Abuse/Chemical Dependency, 2 credit hours
- HPE 315 - Foundations of Health Education, 3 credit hours

- HPE 318 - Teaching Methods in Health Education, 3 credit hours
- HPE 321 - Adapted Physical Activity, 2 credit hours
- HPE 330W - Human Sexuality Education, 3 credit hours
- HPE 347 - Historical, Philosophical, and Curricular Foundations of Physical Education, 3 credit hours
- HPE 352 - Motor Learning & Developmental Movement, 3 credit hours
- HPE 451 - Kinesiology/Biomechanics, 3 credit hours
- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 204 - Human Anatomy and Physiology II, 4 credit hours

Note: Students will be required to attend one Professional Conference prior to graduation. This conference must be approved by the HPEE Academic Coordinator prior to the scheduled conference date.

Also see: Multi-Age License Requirements

Health Coaching and Health Promotion, B.A.

The major in health coaching and health promotion is designed to prepare the undergraduate student for competency in health coaching, promotion and disease prevention by helping individuals and small groups cultivate positive health behaviors choices. An emphasis will be placed on program design and behavior modification to educate and support diverse groups of clients achieve health goals. These programs may be implemented in schools or in public and private agencies, at the worksite, or in specialized and clinical settings.

Minimum credits required: **57**

Required courses:

- HPE 201 - Orientation to HPE, 1 credit hour
- HPE 206 - Medical Terminology, 2 credit hours
- HPE 207W - Nutrition for Daily Living, 3 credit hours
- HPE 218W - Consumer Issues, 2 credit hours
- HPE 222W - Community Health, 3 credit hours
- HPE 245 - Health Behavior Management, 3 credit hours
- HPE 246W - Stress Management, 2 credit hours
- HPE 270 - Principles of Health Promotion, 3 credit hours
- HPE 302 - Physiology Of Exercise, 3 credit hours
- HPE 303 - Health and Physical Fitness Assessment Techniques, 3 credit hours
- HPE 312W - Substance Abuse/Chemical Dependency, 2 credit hours
- HPE 315 - Foundations of Health Education, 3 credit hours
- HPE 345 - Fitness & Health Promotion Program Management & Leadership, 3 credit hours
- HPE 470X - Internship, Credit hours to be arranged (3 credit hours required)

Interdisciplinary Content Requirements:

- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 204 - Human Anatomy and Physiology II, 4 credit hours
- CAS 307 - Nonverbal Communication, 3 credit hours
- PSY 304 - Personality Psychology, 4 credit hours
- PSY 321 - Human Relations and Group Dynamics, 3 credit hours
- PSY 326 - Applied Behavior Analysis, 3 credit hours

Note: Students pursuing this major may consider a minor in either Psychology or Public Relations.

Pre-Physical Therapy, B.A.

The major in Pre-Physical Therapy is designed to provide a strong foundation in the fundamental principles of science and exercise science. The major offers the preparation necessary for the student to continue study toward a degree in physical therapy or a related health profession. Students who complete this program can pursue further education in Physical or Occupational Therapy, Physician Assistance, Chiropractics, Podiatry and Nursing. Minimum credits required: **62**

Required courses:

- HPE 201 - Orientation to HPE, 1 credit hour
- HPE 202 - Principles of Athletic Training, 2 credit hours
- HPE 206 - Medical Terminology, 2 credit hours
- HPE 209 - Research Design & Statistics in Sport Sciences, 3 credit hours
- HPE 302 - Physiology Of Exercise, 3 credit hours
- HPE 303 - Health and Physical Fitness Assessment Techniques, 3 credit hours
- HPE 306 - Therapeutic Modalities with Lab, 4 credit hours
- HPE 321 - Adapted Physical Activity, 2 credit hours
- HPE 451 - Kinesiology/Biomechanics, 3 credit hours
- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 204 - Human Anatomy and Physiology II, 4 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour

- PHY 131 - General Physics I, 4 credit hours **AND**
- PHY 151 - Introductory Physics Lab I, 1 credit hour
OR
- PHY 145 - Applied College Physics I, 5 credit hours

- PHY 132 - General Physics II, 4 credit hours **AND**
- PHY 152 - Introductory Physics Lab II, 1 credit hour
OR
- PHY 146 - Applied College Physics II, 5 credit hours
- At least two additional courses or appropriate seminars in Biology or Chemistry at the 200 level or above (except BIO 200 & CHM 200(I)) (4 credit minimum)

Additional courses: Students should select the additional courses based on graduate school prerequisite requirements. Although the additional two courses in upper level BIO/CHM are elective, the following are suggested for consideration:

- BIO 211 - Genetics, 4 credit hours
- BIO 212 - Microbiology, 4 credit hours
- BIO 221 - General Zoology, 3 credit hours
- BIO 330 - Gross Anatomy, 4 credit hours
- BIO 331 - Developmental Biology, 4 credit hours
- BIO 332 - Histology, 3 credit hours
- BIO 333 - Human Physiology, 4 credit hours
- NRO 250 - Principles of Neuroscience, 3 credit hours

- CHM 251 - Organic Chemistry I, 4 credit hours **AND**
- CHM 255 - Organic Chemistry I Laboratory, .5 credit hour

- CHM 252 - Organic Chemistry II, 4 credit hours **AND**
- CHM 256 - Organic Chemistry II Laboratory, 1 credit hour

Note(s): Students planning to pursue a graduate degree in physical therapy should consider PSY 100, PSY 205, PSY 302, SOC 100D, and an additional statistics course. Other elective courses might be: HPE 245, HPE 423D, HPE 445, HPE 070X.

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites.

Sport Management, B.A.

The major is designed for students who are interested in pursuing a career in professional sports, collegiate athletics, amateur sports, collegiate recreation, youth sports, or organizations with a sport-related component such as private clubs, government agencies, and city recreation departments. Students completing this major may choose any minor to fully pursue the growing diversity of potential careers in the Sport Management field and to embrace the Liberal Arts mission of Baldwin Wallace University.

Minimum credits required: **46-52**

Required courses:

- HPE 201 - Orientation to HPE, 1 credit hour
- HPE 223 - The History of Sport, 2 credit hours
- HPE 233 - Sport in Society, 3 credit hours
- HPE 243 - Introduction to Sport Management, 3 credit hours
- HPE 340 - Program Organization & Administration, 3 credit hours
- HPE 343 - Legal Issues in Sport Management, 3 credit hours
- HPE 344 - Sport Management & Media Relations, 3 credit hours
- HPE 346 - Sport Marketing, 3 credit hours
- HPE 348 - Ethics in Sport Management, 3 credit hours
- HPE 349 - The Industry of Sport, 3 credit hours
- HPE 353 - Sport Sales and Sponsorship, 3 credit hours
- HPE 450 - Facility/Event Management, 3 credit hours
- HPE 452 - Sport Management Capstone, 3 credit hours
- HPE 470X - Internship, Credit hours to be arranged (6 credit hours required)

At least four credits from the following:

- HPE 227 - Principles of Coaching, 2 credit hours
- HPE 323 - Outdoor Recreation & Education, 2 credit hours
- HPE 324 - Community Recreation, 2 credit hours
- HPE 350 - Professional Sport Industry, 2 credit hours
- HPE 351 - Collegiate Athletics, 2 credit hours
- HPE 406 - Psychology of Coaching, 2 credit hours

All Sport Management majors must complete all 3XX & 4XX level classes at Baldwin Wallace University.

Minors

Athletic Coaching Minor

The Athletic Coaching minor provides interested students with the opportunity to gain practical knowledge and experiences guided by the National Association for Sport and Physical Education (NASPE) National Standards for

Athletic Coaches. Upon completion, the student will be well versed in all aspects of coaching, including program management, player and team development.

Required courses: 20 credits

- HPE 202 - Principles of Athletic Training, 2 credit hours
- HPE 207W - Nutrition for Daily Living, 3 credit hours
OR
- HPE 211W - Nutrition for the Athlete, 3 credit hours
- HPE 227 - Principles of Coaching, 2 credit hours
- HPE 327 - Coaching, 2 credit hours
- HPE 328 - Skill Concept Development, 2 credit hours
- HPE 340 - Program Organization & Administration, 3 credit hours
- HPE 406 - Psychology of Coaching, 2 credit hours
- HPE 301W - Sport Exercise Conditioning and Program Design, 3 credit hours
OR
- HPE 445 - Theory and Practice of Strength and Conditioning, 3 credit hours
- HPE 470X - Internship, Credit hours to be arranged (1 credit hour required)

Family Studies Minor

The interdisciplinary minor in family studies is constructed to increase understanding of human development and the dynamic interrelationships among family members. An ecological theoretical approach focused on the interconnectedness of community, child development and family life within our society is emphasized. Furthermore, students can customize their curriculum and internship experience to complement their career focus and personal interests. A minor in family studies pairs well with majors focused on improving the health, wellbeing and sustainability of modern day families.

Required courses: 20-22 credits

- HPE 216W - Family Relations, 3 credit hours
- HPE 319W - Child in the Family, 3 credit hours
- HPE 320W - Parenting, 3 credit hours
- PSY 205 - Developmental Psychology, 3 credit hours
- PSY 315 - Child Development, 4 credit hours
- CAS 102 - Interpersonal Communication, 3 credit hours
- HPE 470X - Internship, Credit hours to be arranged (1 credit hour required)

Health Coaching & Health Promotion Minor

The goal of the minor is to provide an opportunity for students to acquire general theoretical and practical knowledge related to health coaching, promotion and disease prevention and related programs that may be implemented in school, in public and private agencies, at the worksite, or in specialized and clinical settings.

Required Courses: 20-22 credits

- HPE 221W - Personal Health, 3 credit hours
- HPE 245 - Health Behavior Management, 3 credit hours
- HPE 270 - Principles of Health Promotion, 3 credit hours
- HPE 345 - Fitness & Health Promotion Program Management & Leadership, 3 credit hours

- CAS 307 - Nonverbal Communication, 3 credit hours

Choose One Course:

- PSY 304 - Personality Psychology, 4 credit hours
- PSY 321 - Human Relations and Group Dynamics, 3 credit hours
- PSY 326 - Applied Behavior Analysis, 3 credit hours

Electives: complete at least one

- HPE 206 - Medical Terminology, 2 credit hours
- HPE 207W - Nutrition for Daily Living, 3 credit hours
- HPE 218W - Consumer Issues, 2 credit hours
- HPE 222W - Community Health, 3 credit hours
- HPE 302 - Physiology Of Exercise, 3 credit hours
- HPE 303 - Health and Physical Fitness Assessment Techniques, 3 credit hours
- HPE 312W - Substance Abuse/Chemical Dependency, 2 credit hours
- HPE 330W - Human Sexuality Education, 3 credit hours

Nutrition Minor

This interdisciplinary minor is designed to provide a basic understanding of nutrition and the supporting sciences. Students will take **25-26** credit hours of required courses. The minor is particularly suited to majors in health related and pre-professional fields. It does not meet requirements to practice as a credentialed nutritionist nor does it meet the requirements of the Commission on Dietetic Registration (CDR) in the Academy of Nutrition and Dietetics to become a registered dietitian.

Required Courses:

- HPE 207W - Nutrition for Daily Living, 3 credit hours
- HPE 317 - Nutrition Through the Life Cycle, 3 credit hours
- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 204 - Human Anatomy and Physiology II, 4 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour

Nutrition Elective: (Choose one of the following)

- HPE 210W - Sustainable Food & Nutrition Choices, 2 credit hours
- HPE 211W - Nutrition for the Athlete, 3 credit hours
- HPE 263 - Special Topic Seminar, Credit hours to be arranged (Nutrition Topics)

Recreation Minor

The goal of the recreation minor is to provide an opportunity for students to acquire theoretical and practical knowledge, develop skills related to the planning, implementation, and assessment of recreation programs for all ages and all populations, and incorporate worthy use of leisure for a healthy lifestyle. A minor in recreation complements any major; for example it supplements the diverse fields of business, education, and natural sciences.

Required courses: 26 credits

- HPE 150W - Lifetime Leisure Activities, 2 credit hours

- HPE 226 - Introduction to Recreation and Leisure Studies, 2 credit hours
- HPE 323 - Outdoor Recreation & Education, 2 credit hours
- HPE 324 - Community Recreation, 2 credit hours
- HPE 325 - Aquatics Program/Pool Management, 3 credit hours
- HPE 326 - Tourism in Recreation and Leisure, 3 credit hours
- HPE 340 - Program Organization & Administration, 3 credit hours
- HPE 343 - Legal Issues in Sport Management, 3 credit hours
- HPE 450 - Facility/Event Management, 3 credit hours
- HPE 470X - Internship, Credit hours to be arranged (3 credit hours required)

Sports Medicine Minor

This minor provides students interested in the health care field with a focused knowledge base in the area of musculoskeletal injury. It provides knowledge related to orthopedic evaluation and treatment including but not limited to body mechanics, injury assessment, treatment and methodology. The courses allow students to develop psychomotor clinical evaluation skills that will complement the cognitive content. **This minor is open to all NON-Athletic Training Majors.**

Required courses: 16-17 credit hours

- HPE 202 - Principles of Athletic Training, 2 credit hours
- HPE 206 - Medical Terminology, 2 credit hours
- HPE 305 - Lower Extremity Evaluation, 3 credit hours
- HPE 307 - Upper Extremity Evaluation, 3 credit hours

- HPE 306 - Therapeutic Modalities with Lab, 4 credit hours
OR
- HPE 309 - Therapeutic Exercise, 3 credit hours

- HPE 451 - Kinesiology/Biomechanics, 3 credit hours

History

The History Department serves the Baldwin Wallace University community and the greater Cleveland area by providing academic expertise in a wide variety of historical fields and by offering multiple, balanced perspectives on human history. The Department offers a major in History, a major in History for Adult & Continuing Education Students, a major in Public History, a minor in History, and a certificate in Public History.

The Department prepares students to meet the highest academic standards of the discipline. Its faculty members commit to the "best practices" recommended by the American Historical Association (<https://www.historians.org/pubs/Free/LiberalLearning.htm>). We believe that historians must be able to analyze primary sources, think critically about them, examine problems from multiple perspectives, and communicate ideas effectively in writing. Therefore all history courses emphasize the importance of critical thinking and excellence in writing. We furthermore believe that the teaching of history should challenge students to understand the historical contexts of ethical issues. Moreover, the History Department remains committed to presenting the human element in history and to the interests of our students as individuals. Finally, we require all students seeking a license to teach history in the secondary schools to maintain a GPA of 3.0 in their history courses.

The History Department's objective is that every student who graduates with a major from our department will be able to demonstrate mastery of historical knowledge, critical thinking, ethical awareness, research abilities, and writing skills. Our department's curriculum is designed to ensure progressive development in those areas. First, beginners must complete a prerequisite before entering the intermediate and advanced courses. A 100-level history course is recommended, but some instructors may also accept INT 200I or ASN 100I as prerequisite. 100-level courses are surveys of American, world, or European history that introduce students to the narratives of our collective cultural heritage, the classroom and study habits necessary to succeed as a history major, and the skills of essay-writing and critical thinking. Students then proceed to the 200-300 level courses. 200-level courses are surveys of smaller geographical regions or topical studies. The 300-level courses are in-depth studies of particular topics or periods that give more opportunities for advanced research or writing. 200-300 level courses are typically offered every other year. History majors must also take the capstone course, HIS 461 Historiography, in their junior or senior year. This capstone course is designed to open students' eyes to the different ways historians have approached the craft of writing history, and to expose students to the most challenging theoretical perspectives in our discipline. HIS 461 also requires a major research paper. The History Department encourages students to pursue a capstone thesis or project in the final semester of their senior year, HIS 491/492.

A transfer student is required to take at least 19 history credits at BW to graduate with a history major.

Majors

History for Adult & Continuing Education Students, B.A.

Minimum credits required: **37**

This major also consists of a minimum of 37 credit hours. Whereas there are no specific requirements, it is strongly recommended that a student take a balance of American, European and non-Western courses. The Comprehensive Examination is not required, but students must complete a Senior Learning Statement, which is a brief survey that we use to assess the value and continuing relevance of our courses.

Students majoring in history may prepare to teach in the secondary schools. Details of courses necessary to become licensed may be obtained from the Department of History or the School of Education. See the School of Education program.

History, B.A.

Minimum credits required: 37

Required Courses:

- HIS 1011 - World Civilizations I: Ancient to Medieval, 3 credit hours
- HIS 1021 - World Civilizations II: Imperialism and World War, 3 credit hours
- HIS 151 - History of the United States I, 3 credit hours
- HIS 152 - History of the United States II, 3 credit hours
- HIS 461 - Historiography, 3 credit hours

One 200 or 300 level course in each of the following fields:

Non-Western History

- HIS 2271 - History of Africa, 3 credit hours
- HIS 2361 - Women in Asian Civilizations, 3 credit hours
- HIS 260(I,D) - Topics in History, 3-4 credit hours (where relevant)
- HIS 2881 - Islamic History 600-1800, 3 credit hours
- HIS 2911 - History of East Asia I, 3 credit hours
- HIS 2921 - History of East Asia II, 3 credit hours
- HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours (where relevant)
- HIS 3701 - Colonial Latin America, 3 credit hours
- HIS 3711 - Modern Latin America, 3 credit hours
- HIS 3811 - The Arab-Israeli Conflicts, 4 credit hours
- HIS 3891 - The Modern Middle East, 4 credit hours

European History

- HIS 2211 - Europe: From Black Death to French Revolution, 3 credit hours
- HIS 2221 - Europe: From Revolution to World War and Globalization, 3 credit hours
- HIS 2351 - Women in Western Civilization, 3 credit hours
- HIS 2451 - Survey of Russian History, 3 credit hours
- HIS 260(I,D) - Topics in History, 3-4 credit hours (where relevant)
- HIS 3231 - Enlightenment, French Revolution, and Napoleon, 3 credit hours
- HIS 3391 - History of War, 3 credit hours
- HIS 3421 - World War I, 3 credit hours
- HIS 3441 - Early Russia, 3 credit hours
- HIS 3451 - Imperial Russia, 3 credit hours
- HIS 3461 - Modern Russia, 3 credit hours
- HIS 3491 - Modern Britain, 3 credit hours
- HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours (where relevant)

United States History

- HIS 250D - African-American History, 3 credit hours
- HIS 260(I,D) - Topics in History, 3-4 credit hours (where relevant)
- HIS 2671 - Vietnam War: Causes and Consequences, 3 credit hours
- HIS 350 - Colonial America, 3 credit hours
- HIS 351 - The American Revolution, 3 credit hours
- HIS 352 - Jefferson-Jackson, 3 credit hours
- HIS 353 - U.S. Civil War, 3 credit hours

- HIS 354 - U.S. Reform and War, 1876-1920, 3 credit hours
- HIS 355 - Modern America: 1920-1945, 3 credit hours
- HIS 356 - Recent America: 1945-present, 3 credit hours
- HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours (where relevant)

Note(s):No more than 12 credits of 100-level history courses can count toward the major.

In addition, history majors must successfully pass the Department of History Comprehensive Examination, which is individually-tailored to reflect the student's coursework at BW. They must also complete a Senior Learning Statement, which is a brief survey that we use to assess the value and continuing relevance of our courses. It is strongly recommended that a history major take more than the absolute minimum hours required, and that students who plan to attend graduate school seek out opportunities to do research (for example, through Faculty Student Collaborative Scholarship projects or the departmental thesis). Special programs may be designed for the student seeking a double University major, such as business-history, art-history, sociology-history, political science-history, psychology-history, etc. History majors may also elect History Concentrations.

Public History, B.A.

Baldwin Wallace University's Public History Major is the first such major in the State of Ohio. The major in Public History is intended to prepare students for careers that involve presenting history to the general public. These students are trained to work in museums, archives, and historical societies. This major is intensively experiential: much of the coursework takes place in archives and local museums, and there is a required internship. Students will develop knowledge of history and art history, hone their skills of written and oral presentation, and apply those skills in the field using appropriate digital media.

Students may double major in History and Public History; however, these students must also complete a minor or major outside the History Department.

Minimum credits required: **49-53**

Required Courses:

- CAS 112 - Presentational Speaking, 3 credit hours
- PBH 100 - Introduction to Public History, 2 credit hours
- PBH 200X - Introduction to Archives and Museums, 3 credit hours
- PBH 300 - Research in Community History, 3 credit hours
- PBH 350 - Oral History Practicum, 3 credit hours
- HIS 461 - Historiography, 3 credit hours
- PBH 470X - Public History Internship, Credit hours to be arranged

Electives in History:

- 3 courses in U.S. History above 100-level, 9 credit hours
- 2 courses in History above 100-level, 6 credit hours

Electives in Writing for the Public: (Choose one of the following)

- CAS 345 - External Public Relations Writing, 3 credit hours
- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours
- ENG 309SX - Grant Writing, 3 credit hours

Electives in Art History: (Choose two of the following)

- ART 102I - Art Appreciation, 3 credit hours
- ART 103D - Art of Our Time, 3 credit hours
- ART 231I - Western Art to 1400, 4 credit hours
- ART 232I - Western Art from 1400 to 1945, 4 credit hours
- ART 234 - Survey of American Art from Colonial Times to 1945, 3 credit hours

Electives in Media Applications for Public History: (Choose two of the following)

- ART 220 - Digital Photography, 2 credit hours
- ART 225 - Introduction to Photoshop, 2 credit hours
- CAS 415 - Studies in Public Relations, 3 credit hours
- CSC 135 - Introduction to Web Site Development, 3 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours

Minors

History Minor

A minor in history consists of a minimum of **19** credit hours. Whereas no specific courses are required, at least two courses must be taken at the 200-400 level, and students must complete a Senior Learning Statement following completion of formal course work for the minor. Students may specialize in a field in which our faculty provide depth (U.S., Britain, Russia, East Asia, or Middle East), or design a program that is evenly balanced between European, American, and non-Western courses. We encourage students to consult with a member of the History Department to develop a program appropriate for their career plans.

Concentrations

History Concentrations

History majors may choose to specialize in one or more historical subfields among the Department's particular strengths – American, British/West European, Middle Eastern/Islamic, Military, Asian, or Russian History– or in a thematic area that crosses these geographical boundaries, by taking at least four relevant upper-division courses. It is not mandatory to choose a concentration, and students may choose to complete multiple concentrations. For all concentrations, HIS 260(I,D) and HIS 360(I): Topics in History; HIS 463(I) Seminar in History; HIS 491, 492: Departmental Thesis/Project; and transfer courses may be counted where appropriate. The concentrations are as follows:

U.S. History Concentration

- HIS 110 - Ohio History, 3 credit hours
- HIS 250D - African-American History, 3 credit hours
- HIS 267I - Vietnam War: Causes and Consequences, 3 credit hours
- HIS 350 - Colonial America, 3 credit hours
- HIS 351 - The American Revolution, 3 credit hours
- HIS 352 - Jefferson-Jackson, 3 credit hours
- HIS 353 - U.S. Civil War, 3 credit hours
- HIS 354 - U.S. Reform and War, 1876-1920, 3 credit hours
- HIS 355 - Modern America: 1920-1945, 3 credit hours
- HIS 356 - Recent America: 1945-present, 3 credit hours

Islamic History Concentration

- HIS 236I - Women in Asian Civilizations, 3 credit hours
- HIS 260(I,D) - Topics in History, 3-4 credit hours (When offered as Early Islam)
- HIS 288I - Islamic History 600-1800, 3 credit hours
- HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours (When offered as Contemporary Middle East)
- HIS 381I - The Arab-Israeli Conflicts, 4 credit hours
- HIS 389I - The Modern Middle East, 4 credit hours

Russian History Concentration

- HIS 245I - Survey of Russian History, 3 credit hours
- HIS 344I - Early Russia, 3 credit hours
- HIS 345I - Imperial Russia, 3 credit hours
- HIS 346I - Modern Russia, 3 credit hours

Western Europe Concentration

- HIS 221I - Europe: From Black Death to French Revolution, 3 credit hours
- HIS 222I - Europe: From Revolution to World War and Globalization, 3 credit hours
- HIS 235I - Women in Western Civilization, 3 credit hours
- HIS 260(I,D) - Topics in History, 3-4 credit hours (When offered as a European topic)
- HIS 321 - Classical Antiquity to the Fall of Rome, 3 credit hours
- HIS 322I - Medieval Europe to the Black Death, 3 credit hours
- HIS 323I - Enlightenment, French Revolution, and Napoleon, 3 credit hours
- HIS 342I - World War I, 3 credit hours
- HIS 349I - Modern Britain, 3 credit hours

History of War Concentration

- HIS 267I - Vietnam War: Causes and Consequences, 3 credit hours
- HIS 339I - History of War, 3 credit hours
- HIS 342I - World War I, 3 credit hours
- HIS 351 - The American Revolution, 3 credit hours
- HIS 353 - U.S. Civil War, 3 credit hours
- HIS 381I - The Arab-Israeli Conflicts, 4 credit hours

Asian History Concentration

- HIS 236I - Women in Asian Civilizations, 3 credit hours
- HIS 267I - Vietnam War: Causes and Consequences, 3 credit hours
- HIS 291I - History of East Asia I, 3 credit hours
- HIS 292I - History of East Asia II, 3 credit hours

History of Revolution Concentration

- HIS 245I - Survey of Russian History, 3 credit hours
- HIS 260(I,D) - Topics in History, 3-4 credit hours (When offered as Latin American Revolutions)
- HIS 323I - Enlightenment, French Revolution, and Napoleon, 3 credit hours
- HIS 346I - Modern Russia, 3 credit hours
- HIS 351 - The American Revolution, 3 credit hours
- HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours (When offered as Contemporary Middle East)

- HIS 3711 - Modern Latin America, 3 credit hours
- HIS 3891 - The Modern Middle East, 4 credit hours

Ancient and Medieval History Concentration

- HIS 1011 - World Civilizations I: Ancient to Medieval, 3 credit hours
- HIS 2881 - Islamic History 600-1800, 3 credit hours
- HIS 2911 - History of East Asia I, 3 credit hours
- HIS 321 - Classical Antiquity to the Fall of Rome, 3 credit hours
- HIS 3221 - Medieval Europe to the Black Death, 3 credit hours
- HIS 3441 - Early Russia, 3 credit hours

Honors

Honors Program

The Honors Program strives to offer deeply transformational experiences for students through unique courses, service, and research opportunities. Honors students form a rich intellectual and social community and commit themselves to an enhanced core curriculum in the liberal arts. Together, these experiences aim to challenge worldviews, broaden perspectives, and foster leadership.

Honors Program

Minimum credits required: **24**

Required Courses:

- ENG 131H - Honors Workshop in Exposition and Argument, 3 credit hours
- FYE 100H - Honors First-Year Experience, 3 credit hours
- MTH 140 - Precalculus Mathematics, 4 credit hours ¹

- FRN 202 - Intermediate French II, 4 credit hours ¹
OR
- GER 202 - Intermediate German II, 4 credit hours ¹
OR
- SPN 202 - Intermediate Spanish II, 4 credit hours ¹
OR
- CHI 202 - Intermediate Chinese II, 4 credit hours ¹
OR
- ARA 202 - Intermediate Arabic II, 4 credit hours ¹

- HON 491 - Honors Thesis, 1-4 credit hours ²
OR
- Thesis in major or minor ²

Elective Courses:

Students will fulfill their remaining Honors credit hours through the courses listed below as well as through alternative options as specified in the Honors Program Handbook.

- All courses with an HON prefix (topic may not be repeated, but course number may). ³
- Any University core course with an "H" after the course number (*examples: BUS 290H*) ³
- Honors Option ⁴

Total Honors Program 24 credit hours

¹ These courses will count towards the Core, but will not count towards the minimum number of Honors credit (24) required by the Honors Program for Honors recognition. Other language study may be considered (See Honors Program Director).

² Departmental CAPSTONE Courses may be acceptable (See Honors Program Director).

³ Non-Honors Program students of sophomore status or higher and who have obtained at least a 3.5 GPA may elect these courses if space is available.

⁴ The Honors Option (which requires approval by faculty, department, and the Honors Program Director) will result in an "H" designation for existing courses when satisfactorily completed.

Admission into the Honors Program:

(1) An entering student who meets criteria for candidacy will receive an invitation to apply to the Honors Program. These criteria include superior high school graduation rank, high SAT or ACT scores, and other criteria relevant to academic performance.

(2) Current first year students who show outstanding promise in their first term at BW can be nominated by faculty or can submit their own names for consideration to be admitted to the program as second-semester freshmen.

(3) Transfer students who have taken Honors credits at their prior institution can request admission to the Honors Program.

Honors Recognition:

All courses in the Honors Program must be taken for a letter grade, A+ through F; they may not be taken on an S/U basis. Students who successfully complete the required Honors courses (earning grades of B or better) and who have achieved a cumulative grade point average of 3.0 or higher will, upon graduation, receive appropriate recognition on their transcripts. Students will also be awarded the Baldwin Wallace University Honors Program medallion to be worn at graduation.

Business Honors Track:

The Baldwin Wallace University Business Honors Track provides a challenging opportunity for exceptional business majors. The initial focus of this offering promotes: a predisposition to instilling the green concepts of sustainability (people, profit and planet); the understanding of ethical business practices in today's fast-paced, ever-changing business environment; a self-awareness of one's leadership potential, and the development of professional research, writing and presentation skills. Students currently enrolled in the University Honors Program are encouraged to consider the Business Honors Track. Business students with a 3.5 GPA or better become eligible to apply to the Business Honors Track in the second semester of their sophomore year. Please see the School of Business for additional information.

Industrial and Organizational Psychology

Majors

Industrial and Organizational Psychology

The Industrial and Organizational Psychology Major (I/O) will fulfill the needs of students seeking to gain knowledge and skills that will prepare them for graduate school and/or for a position in a business environment in an area of human resource management such as employee selection, assessment, training or other areas managing worker productivity and behavior. The I/O major is offered as an additional major for students with a first major in any Business discipline or Psychology. The I/O major builds upon the knowledge and skills developed in their first major. Minimum credits required: **33**

Required Courses:

Business majors must take:

- PSY 100 - Principles of Psychological Science, 3 credit hours

Psychology majors must take:

- BUS 208 - Introduction to Business, 3 credit hours

All students must take:

- BUS 410 - Human Resource Management, 3 credit hours
- PSY 280 - Research Methods, 3 credit hours
- PSY 301 - Psychological Testing, 4 credit hours
- PSY 320 - Industrial/Organizational Psychology, 4 credit hours

- BUS 496 - Industrial and Organizational Capstone Project, 4 credit hours crosslisted as
- PSY 496 - Industrial and Organizational Capstone Project, 4 credit hours

Elective Courses:

Elective courses cannot be used to fulfill the requirements of both the student's primary major and the I/O major.

Choose one of the following courses:

- PSY 321 - Human Relations and Group Dynamics, 3 credit hours
- BUS 409D - Behavioral Theories of Management, 3 credit hours

Choose three of the following courses:

- BUS 358 - Business Communications, 3 credit hours
- BUS 411 - Compensation, 3 credit hours
- BUS 412 - Employment Law, 3 credit hours
- BUS 413(X) - Staffing and Development, 3 credit hours
- PSY 304 - Personality Psychology, 4 credit hours
- PSY 328 - Cognitive Processes, 4 credit hours
- PSY 339 - Social Psychology, 4 credit hours

International Studies

The interdisciplinary majors in international studies are designed to assist the student in learning to analyze complex global issues, to function successfully in an international environment and to develop intercultural sensitivity to the human context in which international interactions take place. Students may choose to major or minor in International Studies or National Security and fulfill the requirements outlined here.

The International Studies major provides a broad-based background plus study of a second language to prepare for a range of career options in diplomacy, international business, education, media, law, banking, international governmental and nongovernmental organizations and tourism. All students take the Introduction to International Studies course INT 200I which develops an understanding of the interaction of multiple factors which underlie many of today's global problems and also INT 250I which explores the security issues which challenge governments today. Students will also investigate the important role of governments internationally and select courses which deepen understanding of humans and the earth, the historical setting in which interactions take place, the increasing importance of culture, society and economic issues. Students may choose a specialization by choosing a minor in Latin America, Asian Studies, African Studies or Middle East and North Africa or self-designed concentration in a functional area focused on international business/economics, foreign policy/diplomacy or history/society/culture. All students select a research methods course and a special topics capstone seminar which focuses on current problems of international concern and includes a research project on a topic of choice.

The National Security major provides a more specialized foundation for evaluating both domestic and global threats to security and the related problems associated with governance, violence and war, health and the environment in today's interdependent world. The major is oriented to understanding the impact of advancing technology combined with the human and cultural factors which complicate decision-making on issues related to risk. This major is appropriate for motivated critical thinkers with an interest in security-related careers oriented to foreign policy, intelligence or law enforcement at the national or local levels or in the emerging areas of business and service organizations which support the maintenance of national security. All students will take an introductory course in Security, Technology and Threat Assessment (INT 250I), develop skills in doing an integrated country analysis (INT 200I) and focus on U.S. homeland security (POL 101D) and related research, quantitative and analytical skills. Students will also select courses from a variety of academic disciplines which provide a more in-depth look at particular types of 21st century security issues related to military, environmental and health problems. In each area, students will select a combination of entry level and 300-400 level courses appropriate to the students' personal and professional interests in consultation with their advisor. All students will also complete a research project focused on security in a capstone seminar.

Both majors prepare students for globally oriented careers and/or graduate school. Recent graduates are employed by the U.S. government at the State Department, NSA, CIA, Defense, Federal Air Marshals, Homeland Security, Customs, Peace Corps, or in various branches of the military as well as many nongovernmental organizations.

Minors in any discipline represented in the majors, are recommended as are foreign language, math or science.

Direct all questions related to the International Studies or National Security majors and minors to Dr. Judy Krutky, Chair of the Committee Supervising the International Studies and National Security Majors.

Majors

International Studies, B.A.

Minimum credits required: **34-56** credits (depending on prerequisites and language proficiency)

Required courses:

All students are required to complete:

- INT 200I - Introduction to International Studies, 3 credit hours
- INT 250I - Security, Technology and Threat Assessment, 3 credit hours
- INT 463I - Special Topics Capstone Seminar, 3 credit hours

In order to provide an interdisciplinary basis for understanding global issues all students will choose one course from:

Group 1 emphasizing role of governments

- POL 211I - International Politics, 4 credit hours
OR
- POL 221I - Intro to Comparative Politics, 4 credit hours

Plus one course from three of the four groups which follow:

Group 2 emphasizing humans' relation to the earth

- GEO 111 - The Dynamic Earth, 4 credit hours
- GEO 121I - Physical Geography, 4 credit hours
- GEO 150 - Regional Geology & Geography, 2 credit hours
- GEO 227 - Environmental Geology, 3 credit hours
- GEO 229 - Oceanography, 3 credit hours
- HIS 205I - History and the Environment: Global Perspectives, 3 credit hours
- POL 205 - Environmental Politics, 3 credit hours
- BIO/ECN/HUM/POL/SUS 150I - Humans & The Earth: Can We Coexist?, 3 credit hours

Group 3 emphasizing historical setting

- HIS 227I - History of Africa, 3 credit hours
- HIS 245I - Survey of Russian History, 3 credit hours
- HIS 267I - Vietnam War: Causes and Consequences, 3 credit hours
- HIS 288I - Islamic History 600-1800, 3 credit hours
- HIS 291I - History of East Asia I, 3 credit hours
- HIS 292I - History of East Asia II, 3 credit hours

Group 4 emphasizing culture & society

- AFR 200D - Introduction to Africana Studies, 3 credit hours
- ASN 100I - Understanding Asia, 4 credit hours
- ART 232I - Western Art from 1400 to 1945, 4 credit hours
- ART 235I - Topics in Non-Western Art, 3 credit hours
- LAM 200 - Understanding Latin America, 3 credit hours
- REL 101I - Religions of India, 3 credit hours
- REL 102I - Religions of China and Japan, 3 credit hours
- REL 201I - Buddhist Culture in Asia, 3 credit hours
- REL 215I - Death and the Afterlife in the World's Religions, 4 credit hours
- REL 216I - Women and Religion, 4 credit hours
- REL 217I - Religion, Violence & Peace, 4 credit hours
- REL 219I - Religion and the Environment, 4 credit hours
- SOC 270I - Terrorism: Roots and Responses, 3 credit hours
- HIS 235I - Women in Western Civilization, 3 credit hours
- HIS 236I - Women in Asian Civilizations, 3 credit hours
- GER 240I - Contemporary Germany, 3 credit hours

- GER 275I - Introduction to German Literature, 4 credit hours
- FRN 240I - Contemporary France, 3 credit hours
- FRN 275I - Introduction to Literature, 4 credit hours
- SPN 240I - Contemporary Spain and Latin America, 3 credit hours
- SPN 303I - Introduction to Hispanic Literature, 4 credit hours

Group 5 emphasizing economic issues

- ECN 360I - The Global Economy and Comparative Systems, 3 credit hours
- ECN 365I - International Economics, 3 credit hours

Additional Courses:

The student should select four electives from among the courses listed below. All students are required to complete a research methods course as one of the electives. Special topic courses and interdisciplinary INT seminars may be substituted with the approval of the International Studies advisor. Students are responsible for meeting any prerequisites which exist within departments for upper level courses listed below.

Choose three of the following from at least two different disciplines:

- ART 432I - Twentieth Century Art, 3 credit hours
- BUS 310I - Introduction to International Business, 3 credit hours
- BUS 329 - Business Ethics, 3 credit hours
- BUS 350 - Green Business, 3 credit hours
- BUS 351I - Global Strategies, 3 credit hours
- BUS 436I - International Marketing, 3 credit hours
- BUS 444I - International Financial Management, 3 credit hours
- ECN 358 - Environmental Economics, 3 credit hours
- ECN 360I - The Global Economy and Comparative Systems, 3 credit hours
- ECN 362I - Economics of Developing Countries, 3 credit hours
- ECN 365I - International Economics, 3 credit hours
- ENG 335I - Studies in World Literature, 3 credit hours
- FRN 310I - Civilization I, 3 credit hours
- FRN 311I - Civilization II, 3 credit hours
- FRN 375I - Survey of French Literature I, 3 credit hours
- FRN 376I - Survey of French Literature II, 3 credit hours
- GER 310I - German Civilization, 3 credit hours
- GER 375I - Survey of German Literature I, 3 credit hours
- GER 376I - Survey of German Literature II, 3 credit hours
- HIS 323I - Enlightenment, French Revolution, and Napoleon, 3 credit hours
- HIS 339I - History of War, 3 credit hours
- HIS 342I - World War I, 3 credit hours
- HIS 344I - Early Russia, 3 credit hours
- HIS 345I - Imperial Russia, 3 credit hours
- HIS 346I - Modern Russia, 3 credit hours
- HIS 349I - Modern Britain, 3 credit hours
- HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours
- HIS 370I - Colonial Latin America, 3 credit hours
- HIS 381I - The Arab-Israeli Conflicts, 4 credit hours
- HIS 389I - The Modern Middle East, 4 credit hours
- POL 311I - American Foreign Policy, 3 credit hours
- POL 314I - Comparative Foreign Relations, 3 credit hours
- POL 315I - International Organization, 3 credit hours

- POL 321I - Democracy and Democratization, 3 credit hours
- POL 322I - Russia and the Former Soviet Republics, 3 credit hours
- POL 326I - Special Comparative Political Studies, 2-3 credit hours
- POL 327I - Political Change in Asia, 3 credit hours
- POL 329I - Government and Politics in Sub-Saharan Africa, 3 credit hours
- SOC 302I - Racial and Cultural Minorities, 3 credit hours
- SOC 350I - Modern China, 3 credit hours
- SOC 386I - Global Perspectives, 4 credit hours
- SPN 303I - Introduction to Hispanic Literature, 4 credit hours
- SPN 310I - Spanish Culture and Civilization, 3 credit hours
- SPN 311I - Spanish-American Civilization, 3 credit hours
- SPN 375I - Survey of Spanish Literature, 3 credit hours
- SPN 376I - Survey of Spanish-American Literature, 3 credit hours

Choose one of the following research options:

- ECN 464 - Research Seminar, 3 credit hours
- HIS 461 - Historiography, 3 credit hours
- INT 491 - Senior Thesis, Credit hours to be arranged
- POL 240 - Introduction to Political Analysis, 4 credit hours
- SOC 280 - Research Methods, 4 credit hours

Note(s): International Studies majors are required to demonstrate knowledge of at least one foreign language, that is, a language other than their native language. Students must complete foreign language courses equivalent to two semesters of University level classes with the starting class dependent on a placement test administered by the Department of Foreign Languages and Literature (DFLL). Students who choose a language without prior knowledge may satisfy the requirement with two introductory level courses, i.e. 101 and 102. Students who have some prior knowledge of language (for example, in high school) must take the placement test offered in DFLL and enroll in 2 semesters of language according to their placement. Transfer students who have received passing grades in language at another institution can satisfy the language requirement using these classes. The language requirement may also be satisfied by completing a study abroad program containing a language component. Those students with any prior knowledge of a foreign language must be evaluated by the DFLL before enrolling in a DFLL course. Languages offered at BW which may be utilized to fulfill the requirement include Spanish, French, German, Chinese, Arabic, Italian and Portuguese. Non-native speakers of English complete the International Studies foreign language requirement by using English to attain a degree from Baldwin Wallace. Students presenting competence in other languages or encountering problems when needed courses are not available at BW should see the Chair of the Department of Foreign Languages and Literature; who is available for help in establishing a program that ensures timely completion of the language requirement. International Studies majors are strongly urged to study abroad.

INT 463I Special Topics Capstone Seminar - Each student takes an interdisciplinary capstone seminar focused on the analysis of contemporary global problems and requiring integration of knowledge from diverse fields of study. A research project is required. The seminar, which may be team-taught, will be offered spring semester by professors in the departments associated with the International Studies major, and will deal with selected topics chosen by the professor(s) offering the course. Consult the course schedule for relevant departments, time and topics. A student may repeat the seminar provided the topics covered are different. It is suggested that students register for the seminar in the junior or senior year after completing the basic requirements, though they may do so at any time with the consent of the instructor(s) involved.

National Security, B.A.

Minimum credits required: **53-58** depending on prerequisites

Major Requirements:

- INT 200I - Introduction to International Studies, 3 credit hours
- INT 250I - Security, Technology and Threat Assessment, 3 credit hours
- INT 463I - Special Topics Capstone Seminar, 3 credit hours
- POL 101D - U.S. Government and Politics, 4 credit hours

Homeland Security: choose 2 of the following including at least one 300-400 level course

- POL 208 - Special Legal Studies, 1-3 credit hours
- POL 303 - Public Policy and Administration, 3 credit hours
- POL 307 - American Constitutional Law, 3 credit hours
- POL 308D - Civil Rights and Liberties, 3 credit hours
- POL 309 - Criminal Law and the Constitution, 3 credit hours
- POL 311I - American Foreign Policy, 3 credit hours
- SOC 206 - Crime in Organizations, 3 credit hours

Military Security: choose 2 of the following including at least one 300-400 level course

- CAS 315 - Crisis Communication, 3 credit hours
- HIS 339I - History of War, 3 credit hours
- HIS 342I - World War I, 3 credit hours
- HIS 381I - The Arab-Israeli Conflicts, 4 credit hours
- HIS 389I - The Modern Middle East, 4 credit hours
- PHL 272I - International Ethics, 3 credit hours
- PHY 103 - Sci & Hist on Development of Nuclear Weapons in WWII, 3 credit hours
- SOC 270I - Terrorism: Roots and Responses, 3 credit hours

Environmental Security: choose 2 of the following from different disciplines

- BIO/ECN/HUM/POL/SUS 150I - Humans & The Earth: Can We Coexist?, 3 credit hours
- ECN 358 - Environmental Economics, 3 credit hours
- GEO 121I - Physical Geography, 4 credit hours
- GEO 205 - Geographic Information Systems, 3 credit hours
- GEO 227 - Environmental Geology, 3 credit hours
- HIS 205I - History and the Environment: Global Perspectives, 3 credit hours
- PHL 273I - Environmental Ethics, 3 credit hours
- PHY 112 - Energy and the Future, 3 credit hours
- PHY 113 - Physics of Weather, 3 credit hours
- POL 205 - Environmental Politics, 3 credit hours
- REL 219I - Religion and the Environment, 4 credit hours
- SOC 288 - Environmental Sociology, 3 credit hours

Health Security: choose 2 of the following including at least one 200-400 level course

- PHT 170 - Introduction to Public Health, 3 credit hours
- PHT 173I - Global Health, 3 credit hours
- PHT 175 - Epidemiology: Measuring Health and Disease, 3 credit hours
- PHT 274 - Environmental Health, 3 credit hours

- PHT 370 - Health Policy & Public Health, 3 credit hours
- PHT 373 - Special Topics in Public Health, 3 credit hours (GIS Health Analysis)

Global Context in which Security Threats Develop: choose 2 of the following including at least one 300-400 level course

- ECN 360I - The Global Economy and Comparative Systems, 3 credit hours
 - ECN 362I - Economics of Developing Countries, 3 credit hours
 - ECN 365I - International Economics, 3 credit hours
 - POL 211I - International Politics, 4 credit hours
 - POL 221I - Intro to Comparative Politics, 4 credit hours
 - POL 263(I, D) - Seminar in Political Science, 1-3 credit hours
- OR**
- POL 326I - Special Comparative Political Studies, 2-3 credit hours
 - POL 315I - International Organization, 3 credit hours
 - POL 321I - Democracy and Democratization, 3 credit hours
 - POL 322I - Russia and the Former Soviet Republics, 3 credit hours
 - POL 327I - Political Change in Asia, 3 credit hours
 - REL 217I - Religion, Violence & Peace, 4 credit hours
 - SOC 301D - Social Inequalities, 3 credit hours
 - SOC 350I - Modern China, 3 credit hours
 - SOC 386I - Global Perspectives, 4 credit hours

Quantitative Analysis: choose 2 of the following

- ECN 279 - Basic Statistical Methods, 3 credit hours
- OR**
- PSY 278 - Elements of Statistics, 4 credit hours
- ECN 344 - Game Theory, 3 credit hours
 - MTH 108 - Biostatistics, 3 credit hours
 - SOC 281 - Data Analysis Using PASW, 4 credit hours

Research Options: choose 1 of the following

- ECN 464 - Research Seminar, 3 credit hours
- INT 491 - Senior Thesis, Credit hours to be arranged
- POL 240 - Introduction to Political Analysis, 4 credit hours
- SOC 280 - Research Methods, 4 credit hours
- HIS 461 - Historiography, 3 credit hours
- HIS 491 - Senior Thesis, Credit hours to be arranged
- HIS 492 - Departmental Thesis/project, Credit hours to be arranged

Note: A student may repeat the INT 463I capstone seminar provided the topics covered are different. It is suggested that students register for the seminar in the junior or senior year after completing the basic requirements, though they may do so at any time with the consent of the instructor(s) involved.

Minors

International Studies Minor

Minimum Credits Required: **18**

Requirements:

The requirements for a minor in International Studies are:

- INT 200I - Introduction to International Studies, 3 credit hours
- One (1) course from three of the five groups (1-5) listed in the International Studies, B.A. major, 9-12 credit hours
- Two (2) 300-400 courses from two different disciplines chosen from the upper level electives listed in the International Studies, B.A. major or from INT interdisciplinary seminar offerings, 6-8 credit hours

Additional Information

Elective courses appropriate to the student's interests should be chosen in consultation with one of the members of the Committee Supervising the International Studies Major. At least a year's study of a related foreign language is highly recommended.

National Security Minor

Minimum credits required: **27**

Requirements:

The requirements for a minor in National Security are:

- INT 250I - Security, Technology and Threat Assessment, 3 credit hours
- POL 101D - U.S. Government and Politics, 4 credit hours

Homeland Security Elective (choose one of the following):

- POL 208 - Special Legal Studies, 1-3 credit hours (when focus is on national security)
- POL 303 - Public Policy and Administration, 3 credit hours
- POL 307 - American Constitutional Law, 3 credit hours
- POL 308D - Civil Rights and Liberties, 3 credit hours
- POL 309 - Criminal Law and the Constitution, 3 credit hours
- POL 311I - American Foreign Policy, 3 credit hours
- SOC 206 - Crime in Organizations, 3 credit hours

Security Issue Areas:

All students in consultation with their advisor will meet requirements from two of the following areas: Military Security, Environmental Security, Health Security or Global Context in which Security Threats Develop listed in the National Security, B.A..

Quantitative Analysis (choose one of the following):

- ECN 279 - Basic Statistical Methods, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours
- ECN 344 - Game Theory, 3 credit hours
- MTH 108 - Biostatistics, 3 credit hours
- POL 240 - Introduction to Political Analysis, 4 credit hours
- SOC 281 - Data Analysis Using PASW, 4 credit hours

Research Options (choose one of the following):

- ECN 464 - Research Seminar, 3 credit hours
- INT 491 - Senior Thesis, Credit hours to be arranged
- POL 441X - Public Interest Research, 4 credit hours
- SOC 280 - Research Methods, 4 credit hours
- HIS 461 - Historiography, 3 credit hours
- HIS 491 - Senior Thesis, Credit hours to be arranged

Latin American Studies

Minors

Latin American Studies Minor

This minor is designed to reflect the interdisciplinary nature of the study of Latin American. The minor is delivered through a hands on approach that encompasses a set of predefined experiential learning opportunities that expose students to the problems of getting to know other cultures and becoming familiar with the attitudes and skill sets needed to understand cultures different from one's own.

Students must earn a minimum of 19-22 credit hours distributed among the following requirements to complete the Latin American Studies minor.

Requirements:

LAM 200-Understanding Latin America: This course will be taught in English, with discussion sections available in Spanish and Portuguese depending student interest. The course could also be team taught by professors from different departments. LAM 200 will both introduce and structure the minor. Students must complete LAM 200 before participating in a study abroad experience.

- LAM 200 - Understanding Latin America, 3 credit hours

Foreign Language Requirement:

LAM minors are required to complete foreign language coursework equivalent to one-semester of university level classes in Spanish or Portuguese starting with the class indicated by a placement test administered by the Department of Foreign Languages at BW. Students interested in fulfilling the foreign language requirement with coursework in Portuguese are strongly encouraged to enroll in the Brazilian Portuguese for Foreigners program at FAE Centro Universitário un Curitiba, Brazil. Students with native speaking ability are exempt from the language requirement. Students who complete university level language coursework elsewhere must show transcript that includes such a course. Students who are exempt from language requirement are strongly encouraged to take a 3-credit hour elective course in Spanish or Portuguese to complete the minimum requirement of the 19 credit hours.

Interdisciplinary Coursework in Latin America: (choose 2 courses from 2 disciplines)

In order to provide an interdisciplinary basis to understanding Latin America all LAM minors will choose two courses from two disciplines from among the courses listed below. These courses aim to provide LAM minors with a preliminary understanding of historical and current issues affecting Latin America as a region. Students are responsible for meeting any prerequisites which exist for the Spanish courses listed below.

- HIS 370I - Colonial Latin America, 3 credit hours
- HIS 371I - Modern Latin America, 3 credit hours
- INT 200I - Introduction to International Studies, 3 credit hours
- POL 250 - Government & Politics in Latin America, 3 credit hours
- SPN 263I - Seminar, 3 credit hours
- SPN 303I - Introduction to Hispanic Literature, 4 credit hours
- SPN 311I - Spanish-American Civilization, 3 credit hours

Area Specific Courses: (6 credits)

The aim of an area-specific course is to expose the LAM minor to particular issues and topics related to a specific region or country of Latin America. Students will have access to these area-specific courses as part of coursework embedded in a BW faculty-led study trip or at a BW-recommended, study abroad program in Latin America.

Unlike minors at most other institutions, LAM minors will be required to complete a study abroad trip either in the form

of a faculty-led study trip or by studying at a BW-recommended, semester abroad program in a Latin American country. Only BW-recommended study abroad programs that automatically carry BW credit will count toward completion of the 6 credit hours requirement in area specific courses. For faculty-led study abroad trips, these area-specific courses will be included as part of the credits that students are required to complete for the study abroad experience. For students who participate in a BW-approved semester abroad program, equivalency for the 6 credits of area-specific courses will be pre-approved by the LAM Advisory Committee.

Integrative/Culmination Element: (1-3 credits)

This portion of the LAM minor entails the incorporation of a student's coursework and the study abroad experience in Latin America into an integrative/culmination experience that allows the LAM student to engage in a rich learning opportunity that connects the LAM minor and the student's own academic major or career goals. Below find a non-exhaustive list of how the LAM student can fulfill this portion of the minor:

- Service Learning Project
- Independent Study/Research
- Presentation at Ovation
- Internship/Experiential Learning
- Faculty-Student Collaborative Project
- Research Paper/Capstone Seminar

Students can also complete this integrative/culmination element with coursework or an equivalent experience included in a BW faculty-led study abroad trip. Students must complete the integrative culmination requirement of the LAM minor within six months after returning from the study abroad experience. For LAM minors who participate in a BW-recommended study abroad program in Latin America, the LAM Faculty Advisory Committee will assign a committee member who will serve as a mentor and assist the student to complete the integrative/culmination requirement. The LAM Faculty Advisory Committee will design guidelines to typify what sort of coursework students must complete given the variability in number of credit hours for this component of the minor.

Mathematics

Mathematics is the fundamental study of how the world works, the generalizations and abstractions underlying all the basic structures of nature and human society. The Department of Mathematics seeks to provide all its students with the theoretical and practical knowledge that will enable them to analyze and solve problems of an increasingly complex nature.

The student who majors in Mathematics has the opportunity to prepare for a career in business, industry, or secondary mathematics teaching by means of programs that coordinate with other departments or divisions on campus. Alternatively, those mathematics majors who choose to do so can readily make the transition to graduate school. Many of our students choose this path by entering graduate schools with assistantships to finance their graduate education.

The Department offers two degrees in Mathematics, a Bachelor of Science and a Bachelor of Arts. Eligibility for the Bachelor of Arts in Mathematics is restricted to students who minor in Adolescent and Young Adult Education for licensure to teach grades 7-12 math.

The student who elects a minor in Mathematics along with a major in another discipline demonstrates an ability for abstract problem solving that will make them more attractive on the career or graduate school path.

All Mathematics courses offered in this department presume that the student has successfully completed 3 years of high school mathematics, including Algebra II and Geometry. Students who have not demonstrated proficiency in these subjects by virtue of their SAT or ACT scores are required to pass a placement test prior to enrolling in most MTH-prefix courses.

The Mathematics Department also cooperates with the Economics Department to offer a major in Mathematical Economics. This combination is particularly appropriate for students seeking to pursue graduate studies in economics. See the Economics Department section for details.

AP Calculus Credit

A student scoring 3 or better on an AP Calculus exam will be awarded credit as follows:

Score	Exam	Credit Hours	Course Equivalent
3,4,5	AB	4	MTH 141
3,4,5	BC	8	MTH 141, MTH 142

Majors

Applied Mathematics, B.S.

Minimum credits required: 63

Required Courses:

- CAS 112 - Presentational Speaking, 3 credit hours
- CSC 240 - Object-Oriented Programming, 3 credit hours
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours
- MTH 206 - Mathematical Logic and Proof Methods, 3 credit hours
- MTH 211 - Linear Algebra, 3 credit hours
- MTH 235 - Probability & Statistics for Scientists & Engineers, 3 credit hours

- MTH 243 - Calculus III, 4 credit hours
- MTH 245 - Differential Equations, 3 credit hours
- MTH 262 - Discrete Mathematics, 3 credit hours
- MTH 271 - Introduction to Mathematical Modeling, 3 credit hours
- MTH 272 - Numerical Analysis, 3 credit hours
- MTH 465 - Senior Seminar I, 3 credit hours
- MTH 466X - Senior Seminar II, 3 credit hours
- MTH 470X - Internship, Credit hours to be arranged

- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
OR
- CSC 212 - Intro to Programming for Scientists & Engineers, 3 credit hours

- CSC 280 - Applied Database, 3 credit hours
OR
- CSC 380 - Database: Theory, Application, & Administration, 3 credit hours

At least one of the following courses:

- MTH 302 - Number Theory, 3 credit hours
- MTH 307 - Introduction to Operations Research, 3 credit hours
- MTH 315 - College Geometry, 3 credit hours
- MTH 405 - Theory of Probability, 4 credit hours
- MTH 406 - Mathematical Statistics, 3 credit hours
- MTH 409 - Real Analysis, 4 credit hours
- MTH 411 - Abstract Algebra, 4 credit hours

At least one of the following pairings of two courses:

- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours

- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- ECN 202 - Principles of Economics II (Macro), 3 credit hours

- PHT 175 - Epidemiology: Measuring Health and Disease, 3 credit hours
- PHT 275 - Infectious Disease & Epidemics, 3 credit hours

- PHY 131 - General Physics I, 4 credit hours
- PHY 132 - General Physics II, 4 credit hours

- One year long sequence of courses, subject to departmental approval

Mathematics, B.S.

Minimum credits required: **50**

Required courses:

- CAS 112 - Presentational Speaking, 3 credit hours
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours

- MTH 206 - Mathematical Logic and Proof Methods, 3 credit hours
- MTH 211 - Linear Algebra, 3 credit hours
- MTH 243 - Calculus III, 4 credit hours
- MTH 409 - Real Analysis, 4 credit hours
- MTH 411 - Abstract Algebra, 4 credit hours
- MTH 464X - Senior Capstone Experience, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
OR
- CSC 212 - Intro to Programming for Scientists & Engineers, 3 credit hours
- MTH 235 - Probability & Statistics for Scientists & Engineers, 3 credit hours
OR
- MTH 406 - Mathematical Statistics, 3 credit hours

Math Electives: (12 credit hours required)

- Complete 3 math elective credit hours above the MTH 201 level
- Complete 9 math elective credit hours above the MTH 300 level

Note(s):The above requirements are considered minimal. Students are encouraged to consult with an advisor from the mathematics faculty early in their undergraduate career to ensure completion of a program which is appropriate for the individual student.

Computer applications are emphasized in many of the courses in mathematics. Therefore, students are urged to take CSC 210/CSC 212 early in their academic program.

Any independent study courses must have departmental approval to be 200-level or above prior to the beginning of the semester it is taken for credit.

Licensure for Secondary Teaching

Students seeking secondary school licensure in mathematics in Ohio are required to complete a major in mathematics. See the Education Department section for details.

Minors

Mathematics Minor

Minimum credits required: 17

Requirements:

- MTH 141 – Calculus I, 4 credit hours
- MTH 142 – Calculus II, 4 credit hours
- 9 additional MTH credits numbered above 201

Note: Any independent study courses must have departmental approval to be 200-level or above prior to the beginning of the semester it is taken for credit.

Statistics Minor

Minimum credits required: **16**

Why a minor in Statistics?

The demand for statistical specialists has been growing very rapidly. The growth of the internet has spawned an explosion in the collection of data. Therefore there is a rapidly expanding interest in using this data to support decisions. This in turn has created a great demand for statistical specialists.

Evidence of this demand is provided by data from the Bureau of Labor Statistics. For the occupation "Statisticians", the BLS forecasts 13.1% employment growth for the decade 2008-18. Further, a keyword search at the BLS site for "data analysis" returns ten occupations across a variety of fields with employment growth forecasts ranging from 17% to 53% over the 2008-18 period. For all of these BLS occupations, the median annual wages are rated "very high", or in one case, "high".

The statistics specialist is expected to have rudimentary knowledge in an area of application, so this proposed program marries the strength of a student in an applied area with specialized knowledge in the application of statistics. It goes beyond the basic knowledge that every major might be expected to have.

The minor in Statistics consists of a core of required courses and an elective capstone course.

Choose one of the following:

- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
- MTH 108 - Biostatistics, 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours

Required courses:

- MTH 141 - Calculus I, 4 credit hours
- MTH 153 - Design and Analysis of Experiments, 3 credit hours
- ECN 379 - Advanced Statistical Methods, 3 credit hours

As a capstone course, students are required to take ONE of the following:

- MTH 405 - Theory of Probability, 4 credit hours
- MTH 406 - Mathematical Statistics, 3 credit hours
- POL 240 - Introduction to Political Analysis, 4 credit hours
- PSY 280 - Research Methods, 3 credit hours
- SOC 281 - Data Analysis Using PASW, 4 credit hours

Middle Eastern and North African Studies

Minors

Middle Eastern and North African Studies Minor

This interdisciplinary minor allows students to demonstrate expertise in the Middle Eastern and North African regions of the world.

Minimum credits required: **21 (7 courses)**

Foreign Language:

Two semesters of foreign language. Arabic is preferred, but French or Spanish may be approved as appropriate for the student's area study plans. Students with native fluency may appeal for exemption.

Elective Courses:

Elective courses selected from the menu below. TWO of the elective courses must be at the 300-400 level.

- ECN 362I - Economics of Developing Countries, 3 credit hours
- FRN 311I - Civilization II, 3 credit hours
- HIS 236I - Women in Asian Civilizations, 3 credit hours
- HIS 288I - Islamic History 600-1800, 3 credit hours
- HIS 381I - The Arab-Israeli Conflicts, 4 credit hours
- HIS 389I - The Modern Middle East, 4 credit hours
- INT 200I - Introduction to International Studies, 3 credit hours
- POL 215I - United Nations, 2 credit hours and
- POL 216IX - International Organizations: Case Studies, 1-3 credit hours (when MENA country is a case study), 3 credit hours total
- REL 108I - Islam, 2 credit hours
- REL 110 - Judaism, 3 credit hours
- SOC 270I - Terrorism: Roots and Responses, 3 credit hours
- ARA/FRN Seminar in Franco-Arab Studies, 3 credit hours

Electives in Middle Eastern Studies: (Choose two of the following)

Of the elective courses, TWO courses must be wholly devoted to the study of Middle Eastern history, cultural, or politics, and must be selected from the menu below.

- REL 108I - Islam, 2 credit hours
- HIS 288I - Islamic History 600-1800, 3 credit hours
- HIS 381I - The Arab-Israeli Conflicts, 4 credit hours
- HIS 389I - The Modern Middle East, 4 credit hours

- POL 263(I, D) - Seminar in Political Science, 1-3 credit hours OR
- POL 363(I) - Seminar in Political Science, 2-3 credit hours (when taught as Middle East Politics), 3 credit hours

Capstone: Students must complete a capstone thesis or project, XXX 491 or 492 Departmental Thesis of Project, related to the Middle East or North Africa. The project or thesis may be conducted in any department, with the approval of the director of the MENA minor.

Notes: Topics courses, LAC, or seminars on subjects related to Middle Eastern culture or society may also be counted toward the minor, with the permission of the director of the MENA minor.

We recommend that students have a study abroad experience in the Middle East or North Africa. Courses taken during the study abroad experience may count for the minor and may stand in for area C courses if they are wholly devoted to study of Middle Eastern history, culture, or politics. Students should have the MENA minor director approve plans for coursework to be taken during study abroad.

We recommend that students who do study abroad follow up with further language experience, such as summer immersion programs, translation projects, or target-language research.

Music

The Baldwin Wallace University Conservatory of Music

The Conservatory of Music at Baldwin Wallace is an artistic community within a liberal arts University, in which the lives of students of all ages are transformed in pursuit of personal and professional excellence through the humanizing discipline of music study, creation, performance and pedagogy.

Founded in 1899 by organist and Bach scholar Albert Riemenschneider, the Conservatory offers a professional music program enhanced by a liberal arts curriculum. Students are expected to meet rigorous academic and musical standards and to attain a high level of accomplishment. The Conservatory provides a learning environment small enough for individual attention but large enough for true professionalism. It also provides a home for the internationally known Riemenschneider Bach Institute, the Jones Library, the Community Music School with its Preparatory/Adult Education Program, and the Cleveland Music Therapy Consortium. The Conservatory is a fully accredited member of the National Association of Schools of Music and offers the following degrees:

- Bachelor of Music (BM): Performance, Music Theatre, History and Literature, Theory, Composition, Music Therapy, Music Theater-Music Directing
- Bachelor of Music Education (BME)
- Bachelor of Arts (BA), with two tracks offered: Applied (which focuses on performance) and Academic (which focuses on history and theory).

The Conservatory of Music degree programs are designed for those with outstanding talent and a desire to pursue music as a profession or advanced study at the graduate level. Double majors and/or double-degree programs may be pursued in consultation with the Associate Dean and usually require additional semesters of study. Emphases in the following areas are available with any music major and may require additional semesters of study: Composition, Jazz Studies, Music History, Music Theory, and Vocal Pedagogy. A minor in music (two tracks) is available to university students in all majors. Non-Conservatory students are encouraged to enroll in courses designed specifically for them or in applied study and ensembles by audition. (See course descriptions.)

Requirements for Graduation

In addition to completing successfully all course and non-course requirements for their specific degrees and majors, all Conservatory students must complete the following:

1. Performance attendance - Six semesters of at least 12 concerts per semester (four semesters for BA).
2. Departmental recitals - Mandatory during semesters of private-study enrollment.
3. Jury examinations - Number and timing determined by individual departments.
4. Piano proficiency - Secondary study required (for all non-piano primaries) every semester until requisite proficiency level is attained.
5. Ensemble participation - Number of semesters determined according to each major; particular ensemble assignments determined by audition on the primary instrument:
 - Wind and percussion players - wind ensembles
 - String players - orchestra
 - Singers - choirs
 - Guitarists- ensemble assignment determined according to secondary instrument or voice
 - Piano performance majors - major ensemble during freshman year and Collaborative Piano during remaining three years
 - Organ performance majors - three years of major ensemble and one year of Collaborative Piano
 - Other majors with keyboard as primary instrument - ensemble assignment determined according to secondary instrument or voice.
 - Qualified students may participate in more than one ensemble.

6. Sophomore review - Assessment of students' academic and musical progress; requirements determined according to each major. Not required for the BA in Music.
7. GPA of 3.0 in primary instrument in addition to the University requirement of an overall GPA of 2.0.
8. In accordance with University policy, a maximum of four credits of D grades in MUC courses. (Some majors have additional requirements; see specific curricular listings.)

The Bachelor of Music Degree

Majors may be taken in Performance, Music Theatre, History and Literature, Theory, Composition, Music Therapy or Music Theatre-Music Directing.

Community Music School

The Community Music School is a non-degree-granting branch of the Conservatory that offers quality arts education to University students and members of the community. Students of all ages, from infants to retirees, and levels, from beginners to pre-professionals, can find appropriate instruction from among the following offerings: Group classes in voice for teens and adults, MusicPlay for infants, toddlers and their caregivers; Dalcroze Eurhythmics for children ages 4-6; Youth Orchestras; Youth Honors Wind Ensembles; Men's Chorus and Women's Chorus for adult male and female singers including students, faculty, staff and community members; New Horizons music programs for adults including three concert bands, three orchestras, jazz band and chamber music ensembles; Music Therapy Clinic for children and adults; and Private Lessons in voice, most instruments, theory, composition and recording technology. Community Music School faculty include members of the Conservatory faculty, adjunct faculty, and student teachers who have successfully completed pedagogy requirements and who participate in the CMS pedagogy program. The CMS calendar is based on the academic year and consists of two semesters (fall and spring) and a flexible summer session. The Community Music School also offers a wide range of summer music programs for middle and high school students in addition to professional development courses for music educators. More information is available by contacting Community Music School at 440/826-2365, cms@bw.edu or www.bw.edu/cms.

Majors

Music Composition, B.M.

Minimum Total Credits Required: **130**

Minimum Music Credits Required: **101**

- MUC 001 - Performance Attendance, 0 credit hours (6 semesters)
- MUC 002 - Departmental Recital, 0 credit hours (8 semesters)
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 106 - Freshmen Composition Lessons 1, 1 credit hour
- MUC 107 - Freshmen Composition Lessons 2, 1 credit hour
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 116 - Introduction to Composition 1, 2 credit hours
- MUC 117 - Introduction to Composition 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ²
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ²
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours
- MUC 205 - Major Ensembles, 1 credit hour ³
- MUC 211 - Tonal Harmony 3, 2 credit hours

- MUC 212 - Solfège 3, 2 credit hours
- MUC 213 - Tonal Counterpoint, 2 credit hours
- MUC 215 - Composition Seminar, 0 credit hours
- MUC 216 - Composition Lessons 1, 3 credit hours ⁴
- MUC 217 - Composition Lessons 2, 3 credit hours ⁴
- MUC 2211 - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 2231 - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 233 - Keyboard Musicianship 3, 1 credit hour ²
- MUC 234 - Keyboard Musicianship 4, 1 credit hour ²
- MUC 291 - Conducting, 2 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 311 - Form and Analysis, 2 credit hours
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 315 - Electronic Music, 2 credit hours
- MUC 316 - Composition Lessons 3, 3 credit hours ⁴
- MUC 317 - Composition Lessons 4, 3 credit hours ⁴
- MUC 318 - Instrumentation and Orchestration, 2 credit hours
- MUC 319 - Advanced Orchestration, 2 credit hours
- MUC 3211 - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 3231 - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours
- MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours
- MUC 415 - Contemporary Composition Techniques, 2 credit hours
- MUC 416 - Composition Lessons 5, 3 credit hours ⁴
- MUC 417 - Composition Lessons 6, 3 credit hours ⁴
- MUC 418X - Senior Composition Recital, 1 credit hour ⁵
- Music Electives, 4 credit hours⁶

Minimum Liberal Arts Credits Required: **29**

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- HPE Wellness Courses, 2 credit hours
- Foreign Language, 8 credit hours⁷
- Liberal Arts Electives or Minor Field of Study, 10 credit hours⁸

Notes:

¹ Two credits per semester for 8 semesters. Applied study on major instrument required freshman and sophomore years. Applied study on additional instruments, as determined by composition instructor, may replace applied major in junior and senior years.

² Secondary instrument is piano until Proficiency 4 is achieved. Depending upon placement results, piano study may occur in classes, lessons, or a combination. If the requisite proficiency is achieved in fewer than 4 semesters, continued piano study or study on another instrument is required. Secondary study beyond 4 semesters requires an additional fee.

³ One credit per semester for 8 semesters.

⁴ Three credits per semester for 6 semesters.

⁵ A full-length recital of original compositions.

⁶ An Emphasis Area in music may be substituted for the music elective requirement. Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement. At least 2

credits of music electives must be at the 300 level or higher.

⁷ One year of study of a single foreign language is required. A proficiency exam is administered to determine entry level of foreign language study. Students whose language requirement is reduced may take the equivalent number of credit hours in other liberal arts courses.

⁸ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music degree programs. Students may select to either take ten credits from any areas of the Humanities, Natural Sciences, and/or Social Sciences, or to complete a minor field of study outside of the Conservatory.

Music Education, B.M.E.

Minimum Total Credits Required: **136.5**

No more than four credits of D grades may be earned in MUC courses. Students must earn a C or better in courses marked with ^, and must maintain a GPA of 2.8 in the Professional Education sequence, a 3.0 in the Music Education core, and 3.0 overall to student teach. Students are also required to adhere to the standards and expectations of the teacher education program in the Division of Education as outlined in the Student Handbook (Education). See Music Education chairperson for further details.

Minimum Music Credits Required: **93.5**

- MUC 001 - Performance Attendance, 0 credit hours (6 semesters)
- MUC 002 - Departmental Recital, 0 credit hours (8 semesters)
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ²
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ²
- MUC 135 - Voice Class, 1 credit hour [instrumentalists only]
- MUC 140 - Singers' Phonetics, 1 credit hour [vocalists only]
- MUC 171 - Introduction to Music Education, 2 credit hours ^
- MUC 172 - Group Vocal Techniques, 2 credit hours
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 205 - Major Ensembles, 1 credit hour ³
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 221I - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 223I - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 233 - Keyboard Musicianship 3, 1 credit hour ²
- MUC 234 - Keyboard Musicianship 4, 1 credit hour
- MUC 235 - Keyboard Musicianship for the Practitioner, 1 credit hour [keyboardists only] ⁶
- MUC 271 - Music in a Diverse Society, 3 credit hours ^
- MUC 272 - General Music Methods, 3 credit hours ^
- MUC 273 - Brass Class, 2 credit hours ^
- MUC 274 - Woodwind Class, 2 credit hours ^
- MUC 275 - String Class, 2 credit hours ^
- MUC 276 - Percussion Class, 2 credit hours ^
- MUC 291 - Conducting, 2 credit hours
- MUC 292 - Advanced Conducting, 2 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹

- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 3211 - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 3231 - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 371 - Choral Music Methods, 3 credit hours ^
- MUC 372 - Instrumental Music Methods, 3 credit hours ^
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 403 - Partial Senior Recital, .5 credit hour
- Music Electives 2 credits

Minimum Liberal Arts Credits Required: 20

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours ^
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- PSY 100 - Principles of Psychological Science, 3 credit hours ^
- PSY 205 - Developmental Psychology, 3 credit hours ^
- HPE - Wellness Courses, 2 credit hours
- Liberal Arts and Sciences electives, 3 credit hours⁴

Minimum Education Credits Required: 22

- EDU 103DX - Education of Children with Special Needs, 2 credit hours ^
- EDU 201 - Teaching Strategies and Management Skills, 3 credit hours ^
- EDU 340 - Assessment and Data Literacy, 3 credit hours ^
- EDU 348 - Reading in the Content Area, 3 credit hours ^
- EDU 491 - Clinical Practice in Music Education, 9 credit hours ^
- EDU 492 - Senior Capstone Seminar, 3 credit hours ⁵ ^

Notes:

¹ Three credits per semester for 7 semesters.

² Secondary instrument is piano until Proficiency 4 is achieved. Depending upon placement results, piano study may occur in classes, lessons, or a combination. If the requisite proficiency is achieved in fewer than 4 semesters, continued piano study or study on another instrument is required. Secondary study beyond 4 semesters requires an additional fee.

³ One credit per semester for 7 semesters.

⁴ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music Education degree programs.

⁵ Must be taken concurrently with Clinical Practice.

⁶ Replaces one semester of private instrument secondary study.

Music History and Literature, B.M.

Minimum Total Credits Required: **126.5**

Minimum Music Credits Required: **89.5**

- MUC 001 - Performance Attendance, 0 credit hours (6 semesters)
- MUC 002 - Departmental Recital, 0 credit hours (8 semesters)
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹

- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ²
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ²
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 205 - Major Ensembles, 1 credit hour ³
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 213 - Tonal Counterpoint, 2 credit hours
- MUC 221I - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 223I - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 233 - Keyboard Musicianship 3, 1 credit hour ²
- MUC 234 - Keyboard Musicianship 4, 1 credit hour ²
- MUC 291 - Conducting, 2 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 311 - Form and Analysis, 2 credit hours
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 321I - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 323I - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 329 - Introduction to Research in Music, 1 credit hour
- MUC 333 - Advanced Keyboard Musicianship 1, 1 credit hour
- MUC 334 - Advanced Keyboard Musicianship 2, 1 credit hour
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 403 - Partial Senior Recital, .5 credit hour
- MUC 410 - Thesis Project Presentation, 1 credit hour ⁴
- MUC 412 - Music Academic Studies Seminar, 0 credit hours (4 semesters)⁵
- MUC 421 - Thesis Research in Music History, 1 credit hour
- MUC 429X - Music History Practicum, 1 credit hour (2 semesters)
- Music Seminars, 6 credit hours⁶
- Music Electives, 4 credit hours⁷

Minimum Liberal Arts Credits Required: 37

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- HPE - Wellness Courses, 2 credit hours
- Foreign Language, 16 credit hours⁸
- Liberal Arts Electives or Minor Field of Study, 10 credit hours⁹

Notes:

¹ Three credits per semester for 8 semesters.

² Secondary instrument is piano until Proficiency 4 is achieved. Depending upon placement results, piano study may occur in classes, lessons, or a combination. If the requisite proficiency is achieved in fewer than 4 semesters, continued piano study or study on another instrument is required. Secondary study beyond 4 semesters requires an

additional fee.

³ One credit per semester for 8 semesters. Must be in an assigned ensemble appropriate to the candidate's major performing area. Up to two years of participation in Collegium Musicum may be substituted for the major ensemble by audition. Permission for this substitution must be approved by the History and Literature advisor.

⁴ Topic determined by student in consultation with Senior Project Advisor and subject to approval by the department.

⁵ Take fall and spring semesters of junior and senior years.

⁶ Three seminars required. Seminars may be replaced by independent study with permission of advisor.

⁷ An Emphasis Area in music may be substituted for the music elective requirement. Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement. At least 2 credits of music electives must be at the 300 level or higher.

⁸ Two years of study of a single foreign language is required. A proficiency exam is administered to determine entry level of foreign language study.

⁹ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music degree programs. Students may select to either take ten credits from any areas of the Humanities, Natural Sciences, and/or Social Sciences, or to complete a minor field of study outside of the Conservatory.

Music Performance: Instrumental, B.M.

Minimum Total Credits Required: **124.5**

Minimum Music Credits Required: **95.5**

- MUC 001 - Performance Attendance, 0 credit hours
- MUC 002 - Departmental Recital, 0 credit hours
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ²
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ²
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 205 - Major Ensembles, 1 credit hour ³
- MUC 207 - Chamber Music, 1 credit hour ⁴
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 213 - Tonal Counterpoint, 2 credit hours
- MUC 2211 - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 2231 - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 233 - Keyboard Musicianship 3, 1 credit hour ²
- MUC 234 - Keyboard Musicianship 4, 1 credit hour ²
- MUC 291 - Conducting, 2 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 303 - Partial Junior Recital, .5 credit hour
- MUC 305X - Pedagogy of Music, 3 credit hours
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 311 - Form and Analysis, 2 credit hours
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 3211 - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours

- MUC 323I - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 404 - Full Senior Recital, 1 credit hour
- Music Electives, 5 credit hours⁵

Minimum Liberal Arts Credits Required: 29

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- HPE - Wellness Courses, 2 credit hours
- Foreign Language, 8 credit hours⁶
- Liberal Arts Electives or Minor Field of Study, 10 credit hours⁷

Notes:

¹ Four credits per semester for 8 semesters.

² Secondary instrument is piano until Proficiency 4 is achieved. Depending upon placement results, piano study may occur in classes, lessons, or a combination. If the requisite proficiency is achieved in fewer than 4 semesters, continued piano study or study on another instrument is required. Secondary study beyond 4 semesters requires an additional fee.

³ One credit per semester for 8 semesters.

⁴ Violin, viola, cello, and guitar students take a minimum of 6 credits of Chamber Music; double bass and harp students take a minimum of 2, and the balance in music electives. Wind players take a minimum of 4, and the balance in music electives. Percussion students substitute 6 credits of Percussion Ensemble for Chamber Music.

⁵ An Emphasis Area in music may be substituted for the music elective requirement. Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement. At least 2 credits of music electives must be at the 300 level or higher.

⁶ A proficiency exam is administered to determine entry level of foreign language study. Students whose language requirement is reduced may take the equivalent number of credit hours in other liberal arts courses.

⁷ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music degree programs. Students may select to either take ten credits from any areas of the Humanities, Natural Sciences, and/or Social Sciences, or to complete a minor field of study outside of the Conservatory.

Music Performance: Keyboard, B.M.

Minimum Total Credits Required: **124.5**

Minimum Music Credits Required: **95.5**

- MUC 001 - Performance Attendance, 0 credit hours
- MUC 002 - Departmental Recital, 0 credit hours
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 131 - Secondary Instrument Levels 1, 1 credit hour ²
- MUC 132 - Secondary Instrument Levels 2, 1 credit hour ²
- MUC 205 - Major Ensembles, 1 credit hour [Pianists] ³
- MUC 205F - Major Ensemble [Organists]³

- MUC 181 - Sight-reading 1, 1 credit hour
- MUC 182 - Sight-reading 2, 1 credit hour
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 207 - Chamber Music, 1 credit hour [Pianists] ⁴
- MUC 283 - Collaborative Piano, 1 credit hour [Pianists] ⁴
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 213 - Tonal Counterpoint, 2 credit hours
- MUC 214 - Modal Counterpoint, 2 credit hours
- MUC 221 - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 223 - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 283 - Collaborative Piano, 1 credit hour [Organists]
- MUC 291 - Conducting, 2 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 303 - Partial Junior Recital, .5 credit hour
- MUC 305X - Pedagogy of Music, 3 credit hours
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 311 - Form and Analysis, 2 credit hours
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 321 - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 323 - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 381 - Piano Literature, 3 credit hours
- MUC 385 - Preparation for the Church Musician, 3 credit hours
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours
- MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours
- MUC 404 - Full Senior Recital, 1 credit hour
- Music Electives [Pianists], 6 credit hours⁵
- Music Electives [Organists], 4 credit hours⁵

Minimum Liberal Arts Credits Required: 29

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- HPE - Wellness Courses, 2 credit hours
- Foreign Language, 8 credit hours⁶
- Liberal Arts Electives or Minor Field of Study, 10 credit hours⁷

Notes:

¹ Four credits per semester for 8 semesters. All piano primaries must pass Proficiency 4.

² Secondary instrument for pianists may be chosen from organ, harpsichord, voice, or an orchestral instrument. Organists take piano until Proficiency 4 is achieved. Secondary study beyond 4 semesters requires an additional fee.

³ For pianists, participation in a major ensemble is required for 2 semesters during the freshman year. For organists, participation in a major ensemble is required for a total of 6 semesters.

⁴ Pianists must take two credits of Collaborative Piano during the sophomore year, and may then take any combination of Collaborative Piano and Chamber Music to complete the six credits.

⁵ An Emphasis Area in music may be substituted for the music elective requirement. Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement. At least 2 credits of music electives must be at the 300 level or higher.

⁶ A proficiency exam is administered to determine entry level of foreign language study. Students whose language requirement is reduced may take the equivalent number of credit hours in other liberal arts courses.

⁷ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music degree programs. Students may select to either take ten credits from any areas of the Humanities, Natural Sciences, and/or Social Sciences, or to complete a minor field of study outside of the Conservatory.

Music Performance: Voice, B.M.

Minimum Total Credits Required: **131.5**

Minimum Music Credits Required: **94.5**

- MUC 001 - Performance Attendance, 0 credit hours (6 semesters)
- MUC 002 - Departmental Recital, 0 credit hours (8 semesters)
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ²
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ²
- MUC 141 - Singers' Diction and Literature 1, 2 credit hours
- MUC 142 - Singers' Diction and Literature 2, 2 credit hours
- MUC 147 - Voice Performance Workshop 1: Acting/ Movement/ Music 1, 1 credit hour
- MUC 148 - Voice Performance Workshop 2: Acting/ Movement/ Music 2, 1 credit hour
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 205 - Major Ensembles, 1 credit hour ³
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 213 - Tonal Counterpoint, 2 credit hours
- MUC 2211 - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 2231 - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 233 - Keyboard Musicianship 3, 1 credit hour ²
- MUC 234 - Keyboard Musicianship 4, 1 credit hour ²
- MUC 241 - Singers' Diction and Literature 3, 2 credit hours
- MUC 242 - Singer's Diction and Literature 4, 2 credit hours
- MUC 247 - Voice Performance Workshop 3: Acting/ Movement/ Music 3, 1 credit hour
- MUC 248 - Voice Performance Workshop 4: Music Theater - Dance/ Style/ Performance Technique, 1 credit hour
- MUC 291 - Conducting, 2 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 303 - Partial Junior Recital, .5 credit hour
- MUC 305X - Pedagogy of Music, 3 credit hours
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 311 - Form and Analysis, 2 credit hours
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 3211 - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 3231 - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 347 - Voice Performance Workshop 5: Scenes and Period Style - Baroque, Bel Canto and Romantic, 1 credit hour

- MUC 348 - Voice Performance Workshop 6: Scenes and Period Style - Classical and Contemporary, 1 credit hour
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 404 - Full Senior Recital, 1 credit hour
- MUC 447 - Voice Performance Workshop 7: Advanced Audition Preparation 1, 1 credit hour
- MUC 448 - Voice Performance Workshop 8: Advanced Audition Preparation 2 with Final Project, 1 credit hour
- Music Electives, 2 credit hours⁴

Minimum Liberal Arts Credits Required: 37

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- HPE - Wellness Courses, 2 credit hours
- Foreign Language, 16 credit hours⁵
- Liberal Arts Electives or Minor Field of Study, 10 credit hours⁶

Notes:

¹ Three credits per semester for 8 semesters.

² Secondary instrument is piano until Proficiency 4 is achieved. Depending upon placement results, piano study may occur in classes, lessons, or a combination. If the requisite proficiency is achieved in fewer than 4 semesters, continued piano study or study on another instrument is required. Secondary study beyond 4 semesters requires an additional fee.

³ One credit per semester for 8 semesters.

⁴ An Emphasis Area in music may be substituted for the music elective requirement. Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement. At least 2 credits of music electives must be at the 300 level or higher.

⁵ A proficiency exam is administered to determine entry level of foreign language study.

⁶ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music degree programs. Students may select to either take ten credits from any areas of the Humanities, Natural Sciences, and/or Social Sciences, or to complete a minor field of study outside of the Conservatory.

Music Theatre, B.M.

Minimum Total Credits Required: **124.5**

No more than four credits of D may be earned in MUC, THE, DAN and HPE dance technique courses.

Minimum Music Credits Required: **64.5**

- MUC 001 - Performance Attendance, 0 credit hours (6 semesters)
- MUC 002 - Departmental Recital, 0 credit hours (8 semesters)
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ²
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ²
- MUC 140 - Singers' Phonetics, 1 credit hour

- MUC 145 - Music Theatre Workshop 1: Fundamentals of Stage Performance, 1 credit hour
- MUC 146 - Music Theatre Workshop 2: Intro to Music Theatre Techniques, 1 credit hour
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 205 - Major Ensembles, 1 credit hour ³
- MUC 220 - Techniques & Materials of the Musical Theatre Repertoire, 2 credit hours
- MUC 222 - Solfege Techniques & Materials of the Music Theatre Repertoire, 2 credit hours
- MUC 225 - Music Theatre History, 3 credit hours
- MUC 227 - History of Music & Drama, 3 credit hours
- MUC 233 - Keyboard Musicianship 3, 1 credit hour ²
- MUC 234 - Keyboard Musicianship 4, 1 credit hour ²
- MUC 245 - Music Theatre Workshop 3: Acting for Music Theatre, 1 credit hour
- MUC 246X - Music Theatre Workshop 4: Audition Techniques, 1 credit hour
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 303 - Partial Junior Recital, .5 credit hour
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 345 - Music Theatre Workshop 5: Advanced Scene Work/ New Songwriter's Showcase, 1 credit hour ⁴
- MUC 346 - Music Theatre Workshop 6: Advanced Acting For Music Theatre, 1 credit hour
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 404 - Full Senior Recital, 1 credit hour
- MUC 445 - Music Theatre Workshop 7: Professional Aspects of Music Theatre/ Musical-in-concert, 1 credit hour
- MUC 446 - Music Theatre Workshop 8: Showcase, 1 credit hour ⁵

Minimum Theatre Credits Required: 14

- THE 150 - Makeup for the Stage, 1 credit hour
- THE 162 - Backstage Experience, 1-2 credit hours (one credit required)
- THE 190 - Script Analysis, 3 credit hours
- THE 288I - Theatre History I, 3 credit hours
OR
- THE 289I - Theatre History II, 3 credit hours
- THE 460 - Acting IV, 3 credit hours
- THE 461 - Acting V, 3 credit hours

Minimum Dance Credits Required: 19

- HPE 120W - Ballet I Practicum, 1 credit hour
- HPE 121W - Jazz I Practicum, 1 credit hour
- HPE 122W - Modern I Practicum, 1 credit hour
- HPE 123W - Tap I Practicum, 1 credit hour
- DAN 220 - Ballet II Practicum, 1 credit hour
- DAN 221 - Jazz II Practicum, 1 credit hour
- DAN 222 - Modern II Practicum, 1 credit hour
- DAN 223 - Tap II Practicum, 1 credit hour
- DAN 320 - Ballet III Practicum, 1 credit hour
- DAN 321 - Jazz III Practicum, 1 credit hour
- DAN 323 - Tap III Practicum, 1 credit hour
- DAN 324 - Hip Hop I, 1 credit hour
- DAN 331 - Improvisation & Choreography, 3 credit hours

- DAN 420 - Ballet IV Practicum, 1 credit hour
- DAN 421 - Jazz IV Practicum, 1 credit hour
- DAN 423 - Tap IV Practicum, 1 credit hour
- DAN 424 - Hip Hop II, 1 credit hour

Minimum General Studies Credits Required: 27

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- Foreign Language, 8 credit hours⁶
- Liberal Arts Electives or Minor Field of Study, 10 credit hours⁷

Notes:

¹ Three credits per semester for 8 semesters.

² Secondary instrument is piano until Proficiency 4 is achieved. Depending upon placement results, piano study may occur in classes, lessons, or a combination. If the requisite proficiency is achieved in fewer than 4 semesters, continued piano study or study on another instrument is required. Secondary study beyond 4 semesters requires an additional fee.

³ One credit per semester for 6 semesters. May be taken as elective in additional semesters.

⁴ To register for MUC 345 (Music Theatre Workshop 5: Advanced Scene Work/ New Songwriter's Showcase), students must have earned a cumulative GPA of 2.5 or higher in all performance classes: specifically, Music Theatre Workshop, Voice, and Dance. Failure to do so will render students ineligible to continue in the Music Theatre program.

⁵ To register for MUC 446 (Music Theatre Workshop 8: Showcase), students must have 18 credit hours or less remaining to graduate (assuming successful completion of current semester coursework). Any credits earned off campus to satisfy remaining academic requirements must transfer before registering for MUC 446. Only students registered for MUC 446 will be permitted to participate in the BW New York Music Theatre Showcase.

⁶ A proficiency exam is administered to determine entry level of foreign language study. Students whose language requirement is reduced may take the equivalent number of credit hours in other liberal arts courses.

⁷ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music degree programs. Students may select to either take ten credits from any areas of the Humanities, Natural Sciences, and/or Social Sciences, or to complete a minor field of study outside of music, theatre, or dance.

Music Theory, B.M.

Minimum Total Credits Required: **126.5**

Minimum Music Credits Required: **97.5**

- MUC 001 - Performance Attendance, 0 credit hours (6 semesters)
- MUC 002 - Departmental Recital, 0 credit hours (8 semesters)
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours

- MUC 116 - Introduction to Composition 1, 2 credit hours
- MUC 117 - Introduction to Composition 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ²
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ²
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 205 - Major Ensembles, 1 credit hour ³
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 213 - Tonal Counterpoint, 2 credit hours
- MUC 221 - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 223 - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 233 - Keyboard Musicianship 3, 1 credit hour ²
- MUC 234 - Keyboard Musicianship 4, 1 credit hour ²
- MUC 291 - Conducting, 2 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 311 - Form and Analysis, 2 credit hours
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 318 - Instrumentation and Orchestration, 2 credit hours
- MUC 319 - Advanced Orchestration, 2 credit hours
- MUC 321 - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 323 - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 329 - Introduction to Research in Music, 1 credit hour
- MUC 333 - Advanced Keyboard Musicianship 1, 1 credit hour
- MUC 334 - Advanced Keyboard Musicianship 2, 1 credit hour
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 403 - Partial Senior Recital, .5 credit hour
- MUC 410 - Thesis Project Presentation, 1 credit hour ⁴
- MUC 411 - Thesis Research in Music Theory, 1 credit hour
- MUC 412 - Music Academic Studies Seminar, 0 credit hours (4 semesters)⁵
- MUC 419X - Music Theory Practicum, 1 credit hour (2 semesters)
- Music Seminars, 6 credit hours⁶
- Music Electives, 4 credit hours⁷

Minimum Liberal Arts Credits Required: 29

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- HPE - Wellness Courses, 2 credit hours
- Foreign Language, 8 credit hours⁸
- Liberal Arts Electives or Minor Field of Study, 10 credit hours⁹

Notes:

¹ Three credits per semester for 8 semesters.

² Secondary instrument is piano until July 4 proficiency is achieved. Depending upon placement results, piano study may occur in classes, lessons, or a combination. If the requisite proficiency is achieved in fewer than 4 semesters, continued piano study or study on another instrument is required. Secondary study beyond 4 semesters requires an additional fee.

³ One credit per semester for 8 semesters.

⁴ Topic determined by student in consultation with Senior Project Advisor and subject to approval by the department.

⁵ Take fall and spring semesters of junior and senior years.

⁶ Three seminars required. Seminars may be replaced by independent study with permission of advisor.

⁷ An Emphasis Area in music may be substituted for the music elective requirement. Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement. At least 2 credits of music electives must be at the 300 level or higher.

⁸ One year of study of a single foreign language is required. A proficiency exam is administered to determine entry level of foreign language study. Students whose language requirement is reduced may take the equivalent number of credit hours in other liberal arts courses.

⁹ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music degree programs. Students may select to either take ten credits from any areas of the Humanities, Natural Sciences, and/or Social Sciences, or to complete a minor field of study outside of the Conservatory.

Music Therapy, B.M.

Minimum Total Credits Required: **129**

No more than four credits of D may be earned in MUC and PSY courses.

Minimum Music Credits Required: **92**

- MUC 001 - Performance Attendance, 0 credit hours (6 semesters)
- MUC 002 - Departmental Recital, 0 credit hours (8 semesters)
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ²
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ²
- MUC 135 - Voice Class, 1 credit hour
- MUC 136 - Guitar Class, 1 credit hour
- MUC 140 - Singers' Phonetics, 1 credit hour
- MUC 151 - Introduction to Music Therapy, 2 credit hours
- MUC 152 - Vocal Skills for Music Therapists, 2 credit hours
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 205 - Major Ensembles, 1 credit hour ³
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 221I - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 223I - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 233 - Keyboard Musicianship 3, 1 credit hour ²
- MUC 234 - Keyboard Musicianship 4, 1 credit hour ²
- MUC 235 - Keyboard Musicianship for the Practitioner, 1 credit hour [keyboardists only] ⁸
- MUC 251 - Recreational Music: Programming and Leadership, 2 credit hours ⁴
- MUC 253 - Percussion Skills for Music Therapists, 1 credit hour
- MUC 257 - Music Therapy Practicum 1, 1 credit hour ⁵
- MUC 291 - Conducting, 2 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ¹
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour

- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 321I - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 323I - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 351 - Music Therapy in Psychiatry and Rehabilitation, 3 credit hours
- MUC 352 - Music Therapy with the Developmentally Disabled, 3 credit hours
- MUC 353 - Program Development and Administration in Music Therapy, 2 credit hours
- MUC 354 - Creating Music, 1 credit hour
- MUC 357 - Music Therapy Practicum 2, 1 credit hour ⁵
- MUC 358X - Music Therapy Practicum 3, 1 credit hour ⁵
- MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours
- MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours
- MUC 451 - Psychology of Music, 2 credit hours
- MUC 452 - Research Seminar in Music Therapy, 2 credit hours
- MUC 454 - Music Therapy Internship, 1 credit hour ⁶

Minimum Liberal Arts Credits Required: 37

- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- FYE 100 - First-Year Experience, 3 credit hours
- HPE - Wellness Courses, 2 credit hours
- PSY 100 - Principles of Psychological Science, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours
- PSY 302 - Abnormal Psychology, 4 credit hours
- SOC 100D - Principles of Sociology, 4 credit hours
- BIO 101 - Human Biology, 3 credit hours
- EDU 103DX - Education of Children with Special Needs, 2 credit hours
- Liberal Arts Electives, 6 credit hours⁷

Notes:

¹ Three credits per semester for 8 semesters.

² Secondary instrument is piano until Proficiency 4 is achieved. Depending upon placement results, piano study may occur in classes, lessons, or a combination. If the requisite proficiency is achieved in fewer than 4 semesters, continued piano study or study on another instrument is required. Secondary study beyond 4 semesters requires an additional fee.

³ One credit per semester for 6 semesters.

⁴ A competency examination must be taken after completing the Recreational Music course and before taking any other Music Therapy course.

⁵ A minimum of three 1-credit practica required.

⁶ A six-month internship required after completing all other requirements for graduation. Students may register for this off-campus assignment during their last semester on campus. Grading and granting of the degree is deferred until the requirement is completed successfully.

⁷ See Bachelor of Arts & Sciences Core for more information about Core requirements. Note that specific University core requirements for Humanities, Social Sciences, Natural Sciences, and a minor field of study do not apply to Bachelor of Music degree programs. Students may select to either take six credits from any areas of the Humanities, Natural Sciences, and/or Social Sciences, or to complete a minor field of study outside of the Conservatory.

⁸ Replaces one semester of private instrument secondary study.

Music: Academic, B.A.

Minimum Music Credits Required: **46-46.5**

- MUC 001 - Performance Attendance, 0 credit hours (4 semesters)
- MUC 002 - Departmental Recital, 0 credit hours ¹
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 110 - Music Technology and Notation, 1 credit hour
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ³
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ³
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 205 - Major Ensembles, 1 credit hour ⁴
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours

Academic Concentration

- MUC 221 - Music History & Literature 1: World and Medieval Music History, 3 credit hours
- MUC 223 - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours
- MUC 321 - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 323 - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 213 - Tonal Counterpoint, 2 credit hours ⁵
- OR
- MUC 311 - Form and Analysis, 2 credit hours ⁵
- OR
- Music Seminars⁵

Notes:

In addition to the required music courses, bachelor of arts music majors must fulfill the requirements of the University core (43 credits) and obtain a minor (17 credits). See University Catalog for specifics.

¹ Students must register for Departmental Recital every semester that they are registered for Primary Instrument.

² Two credits per semester for 4 semesters (Applied = 6 semesters). Additional fee required.

³ One credit per semester for 2 semesters. Secondary instrument is piano. Secondary instrument for pianists is organ, harpsichord, voice, or an orchestral instrument. Secondary study beyond 2 semesters requires an additional fee.

⁴ One credit per semester for 4 semesters.

⁵ Qualifying seminars include MUC 413, MUC 414, MUC 415, MUC 422, MUC 423, MUC 424, MUC 425, MUC 426 and MUC 427, plus MUC 363 and MUC 463.

Music: Applied, B.A.

Minimum Music Credits Required: **46-46.5**

- MUC 001 - Performance Attendance, 0 credit hours (4 semesters)
- MUC 002 - Departmental Recital, 0 credit hours ¹
- MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 110 - Music Technology and Notation, 1 credit hour

- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 133 - Keyboard Musicianship 1, 1 credit hour ³
- MUC 134 - Keyboard Musicianship 2, 1 credit hour ³
- MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 205 - Major Ensembles, 1 credit hour ⁴
- MUC 211 - Tonal Harmony 3, 2 credit hours
- MUC 212 - Solfège 3, 2 credit hours
- MUC 309 - Entrepreneurship and Advocacy, 1 credit hour
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours

Applied Concentration

- MUC 121 - Western Music History Survey 1, 3 credit hours
- MUC 122 - Western Music History Survey 2, 3 credit hours
- MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours ²
- MUC 303 - Partial Junior Recital, .5 credit hour
- Music Elective 2 credits

Two credits from:

- MUC 205 - Major Ensembles, 1 credit hour
OR
- MUC 206 - Elective Ensembles, 1 credit hour
OR
- MUC 207 - Chamber Music, 1 credit hour

Notes:

In addition to the required music courses, bachelor of arts music majors must fulfill the requirements of the University core (43 credits) and obtain a minor (17 credits). See University Catalog for specifics.

¹ Students must register for Departmental Recital every semester that they are registered for Primary Instrument.

² Two credits per semester for 4 semesters (Applied = 6 semesters). Additional fee required.

³ One credit per semester for 2 semesters. Secondary instrument is piano. Secondary instrument for pianists is organ, harpsichord, voice, or an orchestral instrument. Secondary study beyond 2 semesters requires an additional fee.

⁴ One credit per semester for 4 semesters.

⁵ Qualifying seminars include MUC 413, MUC 414, MUC 415, MUC 422, MUC 423, MUC 424, MUC 425, MUC 426 and MUC 427, plus MUC 363 and MUC 463.

Minors

Music: Academic Minor

Minimum Credits Required: **20**

- MUC 001 - Performance Attendance, 0 credit hours (2 semesters)
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours

- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 121 - Western Music History Survey 1, 3 credit hours
- MUC 122 - Western Music History Survey 2, 3 credit hours

- MUL 134 - Piano Class, 1 credit hour
OR
- MUL 135 - Voice Class, 1 credit hour
OR
- MUL 136 - Guitar Class, 1 credit hour

- MUL 178I - World Music, 3 credit hours
- Music Electives 2 credits

Note:

Students pursuing the minor in music have a Conservatory advisor in addition to the one in their major academic area. Students are encouraged to consult with their advisor and propose alternative course selections to meet their individual educational goals. All MUC course selections and substitutions must have the approval of the Conservatory Associate Dean.

Music: Applied Minor

Minimum Credits Required: **22**

- MUC 001 - Performance Attendance, 0 credit hours (2 semesters)
- MUL/MUC - Applied Study¹ 4 credits
- MUC 111 - Tonal Harmony 1, 2 credit hours
- MUC 113 - Tonal Harmony 2, 2 credit hours
- MUC 112 - Solfège/Eurhythmics 1, 2 credit hours
- MUC 114 - Solfège/Eurhythmics 2, 2 credit hours
- MUC 121 - Western Music History Survey 1, 3 credit hours
- MUC 122 - Western Music History Survey 2, 3 credit hours
- MUC 205 - Major Ensembles, 1 credit hour ² (2 credits total)
- Music Electives 2 credits

Notes:

¹ One credit per semester for 4 semesters. May include MUL 136 (Guitar Class), MUL 135, MUL 138 (Voice Class 1,2), MUL 134 (Piano Class), and/or MUL 139 (Intermediate Piano Class). Private lessons for an additional fee available only by audition as staffing permits.

² One credit per semester for 2 semesters. By audition only.

Students pursuing the minor in music have a Conservatory advisor in addition to the one in their major academic area. Students are encouraged to consult with their advisor and propose alternative course selections to meet their individual educational goals. All MUC course selections and substitutions must have the approval of the Conservatory Associate Dean.

Music Emphasis Program

Emphasis programs may be added to any Conservatory major to provide more intensive, focused, and experiential study of a particular area of music. Courses taken for an emphasis program that are not required in the student's major also satisfy the Music Electives component of the program of study. *Application and approval required.*

Composition Emphasis

- MUC 106 - Freshmen Composition Lessons 1, 1 credit hour
- MUC 107 - Freshmen Composition Lessons 2, 1 credit hour
- MUC 116 - Introduction to Composition 1, 2 credit hours

- MUC 117 - Introduction to Composition 2, 2 credit hours
- MUC 315 - Electronic Music, 2 credit hours
- MUC 318 - Instrumentation and Orchestration, 2 credit hours
- MUC 415 - Contemporary Composition Techniques, 2 credit hours

Jazz Emphasis

- MUC 206-S03- Jazz Ensemble (4 total credits)
- MUC 206-S04- Jazz Combo (2 total credits)
- MUC 218 - Jazz Improvisation, 2 credit hours
- MUC 219 - Jazz Arranging/Composition, 2 credit hours
- MUC 224D - History of Jazz, 2 credit hours

Music History Emphasis

- MUC 3211 - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours
- MUC 3231 - Music History & Literature 4 Music Since 1900, 3 credit hours
- MUC 329 - Introduction to Research in Music, 1 credit hour
- MUC 363/463 - Music History Seminar, 4 credit hours
- MUC 412 - Music Academic Studies Seminar, 0 credit hours
- MUC 429X - Music History Practicum, 1 credit hour

Music Theory Emphasis

- MUC 311 - Form and Analysis, 2 credit hours
- MUC 313 - Theory of Music Since 1900, 2 credit hours
- MUC 314 - Solfège 4, 2 credit hours
- MUC 329 - Introduction to Research in Music, 1 credit hour
- MUC 363/463 - Music Theory Seminar, 4 credit hours
- MUC 412 - Music Academic Studies Seminar, 0 credit hours
- MUC 419X - Music Theory Practicum, 1 credit hour

Vocal Pedagogy Emphasis

- MUC 305X - Pedagogy of Music, 3 credit hours
- MUC 341 - Vocal Pedagogy, 3 credit hours
- CSD 321 - Neurology, Anatomy & Physiology of the Speech & Hearing Mechanism, 3 credit hours

Three elective credits selected from the following:

- CSD 221 - Speech and Hearing Science, 3 credit hours
- CSD 225 - Phonetics and Phonology, 3 credit hours
- CSD 341 - Voice and Fluency Disorders, 3 credit hours
- MUC 050 - Independent Study, 1-2 credit hours
- MUC 359 - Faculty/Student Collaboration, 1-2 credit hours

Neuroscience

Neuroscience is a multidisciplinary study of the brain and its functioning. It is a new discipline that has grown out of modern needs to solve practical medical problems as well as address the continuing human desire to discover more about ourselves. Neuroscientists are interested in questions such as: "What is mind?" "Why do we sleep?" "Why do people feel emotions?" "What causes Alzheimer's Disease?" "What happens in the brain when we learn?" and "How does the brain organize itself before birth?" Individuals or groups of persons, with multidisciplinary training best address these challenging questions. Neuroscience is now a unified field that integrates Psychology, Biology, Chemistry, and several other traditional disciplines in the study of brain structure, physiology and behavior - including human emotional and cognitive functions.

Majors

Neuroscience, B.S.

Neuroscience Majors must meet the published requirements of the *Biology Major (minimum of 50.5 hours)*, *Chemistry Major (minimum of 53.5 hours)*, **or** *Psychology Major (minimum of 41 hours)*, and also successfully complete the courses specified below (*additional 38 hours*). Neuroscience majors will receive a B.S. degree. Consistent with the University's policy on the awarding of two Bachelor's Degrees, Neuroscience Majors may not be awarded a second bachelor's degree by utilizing the same major they used (e.g., Psychology, Biology or Chemistry) to earn their Neuroscience degree.

Required Courses for All Neuroscience Majors

- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- PSY 303 - Physiological Psychology, 4 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours
- PSY 280 - Research Methods, 3 credit hours
- NRO 250 - Principles of Neuroscience, 3 credit hours
- NRO 350 - Neuropharmacology, 3 credit hours
- NRO 491, 492, 493 - Neuroscience Thesis, 4 or more credit hours

ONE (1) of the following courses:

- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
OR
- BIO 333 - Human Physiology, 4 credit hours (Biology Majors Must Take This Option)

ONE (1) of the following courses:

- PSY 327 - Psychology of Learning, 4 credit hours
- PSY 328 - Cognitive Processes, 4 credit hours
- PSY 329 - Sensation and Perception, 4 credit hours

Recommended additional courses for Neuroscience Majors

If the Neuroscience student desires additional specialized training in the field they may consult with their academic advisor and select electives from the following list:

Biology

- BIO 121 - Principles Of Biology I, 4 credit hours

- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 211 - Genetics, 4 credit hours
- BIO 212 - Microbiology, 4 credit hours
- BIO 221 - General Zoology, 3 credit hours
- BIO 308 - Evolution of Animal Behavior, 4 credit hours
- BIO 310 - Evolution, 4 credit hours
- BIO 330 - Gross Anatomy, 4 credit hours
- BIO 331 - Developmental Biology, 4 credit hours
- BIO 332 - Histology, 3 credit hours
- BIO 333 - Human Physiology, 4 credit hours
- BIO 336 - Molecular Biology, 4 credit hours
- BIO 341 - Immunology, 4 credit hours

Chemistry

- CHM 251 - Organic Chemistry I, 4 credit hours + CHM 255
- CHM 252 - Organic Chemistry II, 4 credit hours + CHM 256
- CHM 311 - Biochemistry, 3 credit hours + CHM 315
- CHM 321 - Instrumental Analysis, 3 credit hours + CHM 325
- CHM 351 - Organic Spectroscopy, 2 credit hours

Math

- MTH 140 - Precalculus Mathematics, 4 credit hours
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours

Psychology

- PSY 302 - Abnormal Psychology, 4 credit hours
- PSY 327 - Psychology of Learning, 4 credit hours
- PSY 328 - Cognitive Processes, 4 credit hours
- PSY 329 - Sensation and Perception, 4 credit hours

Sociology

- SOC 281 - Data Analysis Using PASW, 4 credit hours

Minors

Neuroscience Minor

Baldwin Wallace University offers an interdisciplinary Minor in Neuroscience. This Minor grew out of the recognition that modern science frequently draws upon multiple disciplines to answer difficult questions. The study of the brain presents such a scientific challenge. Further, the Minor was established in acknowledgment of the many recent advances in brain sciences and the corresponding increase in the number of graduate programs and employment opportunities in this field.

The Neuroscience Minor requires **16** credit hours

Required Courses: (10 credit hours)

- BIO 121 - Principles Of Biology I, 4 credit hours
- NRO 250 - Principles of Neuroscience, 3 credit hours
- NRO 350 - Neuropharmacology, 3 credit hours

Electives: (6 credit hours)

In addition to the required courses above, students must take any courses listed below totaling a minimum of 6 credit hours. Courses must be selected from at least two departments. Relevant neuroscience minor courses not on the list may be approved by the Director of the Neuroscience program on a case by case basis if a petition is submitted in writing.

- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 308 - Evolution of Animal Behavior, 4 credit hours
- BIO 331 - Developmental Biology, 4 credit hours
- BIO 333 - Human Physiology, 4 credit hours
- BIO 341 - Immunology, 4 credit hours
- CHM 251 - Organic Chemistry I, 4 credit hours + CHM 255
- CHM 252 - Organic Chemistry II, 4 credit hours + CHM 256
- CHM 311 - Biochemistry, 3 credit hours + CHM 315
- PSY 303 - Physiological Psychology, 4 credit hours
- PSY 327 - Psychology of Learning, 4 credit hours
- PSY 328 - Cognitive Processes, 4 credit hours
- PSY 329 - Sensation and Perception, 4 credit hours

Note(s):

This Minor is not designed to help the student meet all of the customary prerequisites for graduate school in Neuroscience. Students headed to graduate school in Neuroscience should pursue the Neuroscience Major and take additional electives relevant to their chosen field of study.

Nursing

Majors

Nursing Accelerated Program, B.S.N.

The Accelerated Nursing Program results in a Bachelor of Science in Nursing degree.
Minimum credits required: **58**

Required courses:

- NUR 100 - Foundations of Professional Nursing Practice, 3 credit hours
- NUR 101 - Foundations Practicum, 1 credit hour
- NUR 105 - Pathophysiological Concepts for Nursing Practice, 3 credit hours
- NUR 106 - Pharmacotherapeutic Concepts for Nursing Practice, 3 credit hours
- NUR 110 - Concepts of Professional Nursing Practice I, 5 credit hours
- NUR 112 - Theoretical Foundations of Nursing Practice, 1 credit hour
- NUR 115 - Professional Nursing Clinic I, 2 credit hours
- NUR 118 - Foundations of Clinical Nutrition for Nursing Practice, 2 credit hours
- NUR 150 - Maternal/Child & Pediatric Concepts of Nursing Practice, 4 credit hours
- NUR 155 - Professional Nursing Clinical- IB, 2 credit hours
- NUR 210 - Concepts of Professional Nursing Practice II, 5 credit hours
- NUR 212 - Research and Evidence-based Practice in Nursing, 2 credit hours
- NUR 215 - Professional Nursing Clinical II, 2 credit hours
- NUR 310 - Concepts of Professional Nursing Practice III, 5 credit hours
- NUR 312 - Leadership and Ethics in Professional Practice, 3 credit hours
- NUR 315 - Professional Nursing Clinical III, 2 credit hours
- NUR 410 - Concepts of Professional Nursing Practice IV, 5 credit hours
- NUR 412 - Issues and Trends in Professional Nursing Practice, 3 credit hours
- NUR 415 - Professional Nursing Clinical IV, 2 credit hours
- NUR 450 - Professional Nursing Practicum, 3 credit hours

Philosophy

The mission statement of Baldwin Wallace University says that BW aims at students' intellectual and spiritual growth, and that BW graduates should be compassionate, contributing global citizens. The Philosophy program at BW contributes to this goal by fostering critical thinking, intellectual inquisitiveness, sensitivity to ethical complexity, and systems-level independent thinking- all of which are necessary to become an engaged citizen and required in virtually any career.

Philosophy literally means "love of wisdom," and the concerns of philosophy are inherently broad and interdisciplinary. They range from seeking to understand the methods and foundations of politics, the arts, sciences, and education, to searching for answers to questions about the definition of reality, knowledge, moral values, aesthetic experience, and the human self. Philosophy is therefore a good choice for a second major or minor to complement a variety of different majors. In addition, as a Core course, philosophy can teach analytic and problem-solving skills that help students to succeed at the University and in continuing adult life.

Philosophy is a worthwhile activity simply for the lifelong orientation that it can provide. But the Philosophy program also strives to impart higher-order thinking skills that are crucial for most professions. Philosophy students learn how to read analytically and decode complex arguments. They also learn to think critically, forming well-reasoned opinions and expressing their opinions clearly and persuasively in speech and writing. These skills are sought by employers in almost any profession.

Philosophy courses do not need to be taken in a rigid sequence. Any philosophy course should improve philosophical abilities. However, the courses are classified by the difficulty of the reading involved and the amount of philosophical training and background required.

Philosophy courses at the 100 and 200-level may be used to meet part of the University's Core requirements in Humanities: Cultural Heritage.

Majors

Philosophy, B.A.

The philosophy major consists of a minimum of **26** credit hours, at least three of which must be at the 300-level or higher. No more than two courses at the 100-level may count toward the major.

History of Philosophy: (complete at least two of the following)

- PHL 211 - Classical Philosophy, 4 credit hours
- PHL 213 - Modern Philosophy, 3-4 credit hours
- PHL 214 - Nineteenth-century Philosophy, 4 credit hours

Ethics Requirement: (complete at least one of the following)

- PHL 102 - Introduction to Ethics, 3 credit hours
- PHL 205(I) - Topics in Ethics, 3-4 credit hours
- PHL 272I - International Ethics, 3 credit hours
- PHL 273I - Environmental Ethics, 3 credit hours
- PHL 274 - Bioethics, 3 credit hours

Logic Requirement: (complete at least one of the following)

- PHL 104 - Critical Thinking, 3 credit hours

- PHL 201 - Logic, 3 credit hours
- A 2-credit Departmental Thesis is also required.

Notes:

Students majoring in philosophy will design a program of courses with the assistance of a philosophy faculty advisor based on the student's passions, academic needs, and future plans. A second major is recommended to complement the philosophy major. Moreover, students are required to design and execute a summative Departmental Thesis in which they are encouraged to explore areas of individual interest and to combine perspectives and methodologies in philosophy with those belonging to a second major area of study.

Students majoring in philosophy who intend to pursue graduate study in philosophy are advised to complete more than the minimum credit hours required for the major. In addition, these students are advised to complete coursework in German, French, or Spanish through the Intermediate level.

Graduating Seniors must complete a Learning Statement during their final semester at BW as a condition of graduating. The Learning Statement can be found on the Philosophy Majors and Minors Blackboard Organization. Students are asked to provide as honest an assessment of their experience with the major as possible to ensure the continuous improvement of the program. Feedback provided by students is anonymous.

Minors**Philosophy Minor**

Department Information

A minor in philosophy requires a minimum of 17 credit hours, with no more than two courses at the 100-level. The minor program is designed by the student with his or her faculty advisor to meet the student's academic objectives.

Physics

Physics explores the scientific principles governing the behavior of the physical world. These principles provide insight into the nature of the universe around us and are the basis for new technology. The department's program utilizes a combination of lectures, laboratories, discussions and independent work to help students acquire an understanding of these principles and their implications. Introductory Physics, General Physics and Applied College Physics cover the topics needed for a student beginning a program in physics, pre-engineering, chemistry, premedicine and pre-physical therapy. The department also offers all the standard advanced courses needed for a physics major intending to do graduate work in physics or astronomy.

All 100-level PHY courses may be applied towards the Natural Science component of the Core general education requirements. PHY 131/PHY 132 and PHY 145/PHY 146 are intended for students whose programs require introductory physics, and are not recommended unless the student has a strong science and math background.

A physics degree can be an excellent preparation for many different careers, because of the emphasis on both practical and theoretical problem solving which physicists can apply in a variety of situations. The physics major leading to the Bachelor of Science (B.S.) is recommended for students for whom this will be the only degree, or who plan to go to graduate school in physics, other science or engineering, or other field.

The physics major leading to the Bachelor of Arts is not a professional degree but is intended to be combined with another field of study, such as business or pre-law. For those interested in teaching high school science, it may be combined with a major in chemistry, biology, or math.

Students interested in becoming licensed engineers need a B.S. from an ABET-accredited engineering school. The dual degree pre-engineering program combines the best of a science major and the liberal arts core at BW with the preparation for an engineering career at an engineering school.

Students planning teaching careers in the elementary, middle or secondary schools should consult the School of Education.

Majors

Chemistry Based Engineering Areas, B.A.

This major is designed for students interested in chemical engineering or one of the other chemistry-based engineering programs.

Minimum required semester credit hours **63** credits at BW

Plus additional credits at the engineering school in which the program is completed.

- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour

- PHY 131 - General Physics I, 4 credit hours
AND
- PHY 151 - Introductory Physics Lab I, 1 credit hour
OR
- PHY 145 - Applied College Physics I, 5 credit hours
Either PHY 131 along with PHY 151 or PHY 145, but not both, may be taken for credit.

- PHY 132 - General Physics II, 4 credit hours
AND
- PHY 152 - Introductory Physics Lab II, 1 credit hour
OR
- PHY 146 - Applied College Physics II, 5 credit hours
Either PHY 132 along with PHY 152 or PHY 146, but not both, may be taken for credit.

- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours
- MTH 243 - Calculus III, 4 credit hours
- MTH 245 - Differential Equations, 3 credit hours
- MTH 313 - Applied Analysis, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- CHM 221 - Quantitative Analysis, 3 credit hours
- CHM 225 - Quantitative Analysis Laboratory, 1 credit hour
- CHM 251 - Organic Chemistry I, 4 credit hours
- CHM 255 - Organic Chemistry I Laboratory, .5 credit hour
- CHM 252 - Organic Chemistry II, 4 credit hours
- CHM 256 - Organic Chemistry II Laboratory, 1 credit hour
- CHM 331 - Physical Chemistry, 3 credit hours
- CHM 332 - Physical Chemistry II, 3 credit hours
- CHM 335 - Physical Chemistry Lab, 1 credit hour

Additional Information

Before transferring to the engineering school at which they will complete the work for their degree, pre-engineering students must complete the above program and:

- at least 92 credit hours of coursework at BW
- the BW core curriculum requirements.

Some of our affiliated schools have additional requirements. Pre-Engineering students should check with the schools in which they are interested, and with the BW pre-engineering advisor.

Binary Program in Engineering

The pre-engineering program prepares Baldwin Wallace students to earn an engineering degree through educational affiliations with the engineering school of Case Western Reserve University. Upon satisfactory completion of the three-year pre-engineering program at BW and the last two years of the engineering program at the engineering school, a student receives the Bachelor of Arts degree from BW and the Bachelor of Science in their chosen field of engineering from the engineering school. Students may choose instead the option of completing any of the B.S. science majors at BW, so long as they meet the engineering school's entry requirements. *Completion of the program at other recognized engineering schools is possible if prior approval of the BW pre-engineering advisor is obtained.*

Physics Based Engineering Area, B.A.

This major is designed for students interested in civil engineering, mechanical engineering, electrical engineering or one of the other physics-based engineering programs.

Minimum required semester credit hours **56-58** credits at BW

Plus additional credits at the engineering school in which the program is completed.

Physics Core and Advanced Electives

The physics and pre-engineering majors are based on the physics core and the advanced electives.

Physics Core: 34 credits

- PHY 131 - General Physics I, 4 credit hours
AND
- PHY 151 - Introductory Physics Lab I, 1 credit hour
OR
- PHY 145 - Applied College Physics I, 5 credit hours
Either PHY 131 along with PHY 151 or PHY 145, but not both, may be taken for credit.

- PHY 132 - General Physics II, 4 credit hours
AND
- PHY 152 - Introductory Physics Lab II, 1 credit hour
OR
- PHY 146 - Applied College Physics II, 5 credit hours
Either PHY 132 along with PHY 152 or PHY 146, but not both, may be taken for credit.
- PHY 233 - Modern Physics, 4 credit hours
- PHY 312 - Advanced Laboratory, 3 credit hours
OR
- PHY 313 - Computational Physics, 3 credit hours

Required courses in areas other than Physics

- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours

Advanced PHY electives

- PHY 312 - Advanced Laboratory, 3 credit hours
- PHY 313 - Computational Physics, 3 credit hours
- PHY 331 - Physical Mechanics I, 3 credit hours
- PHY 341 - Theoretical Physics, 3 credit hours
- PHY 361 - Electromagnetism, 4 credit hours
- PHY 362 - Physics of Waves, 3 credit hours
- PHY 371 - Thermal Physics, 4 credit hours
- PHY 372 - Quantum Physics, 3 credit hours
- PHY 410 - Special Topics in Physics, 1-4 credit hours (approval required)

Required Courses

- PHY 311 - Electronic Instrumentation, 3 credit hours
- MTH 243 - Calculus III, 4 credit hours
- MTH 245 - Differential Equations, 3 credit hours
- CSC 210 - Computer Science I: Programs and Applications, 3 credit hours
- Advanced PHY electives – any three (3) 9-12 credits

Additional Requirement

PHY 312 - Advanced Laboratory, 3 credit hours or PHY 313 - Computational Physics, 3 credit hours is required in the physics core and may be taken a second time as an elective, with different experiments each time it is taken. With approval by the Department following a presentation and written paper, students may substitute up to three credits of internship or research experience in place of three credits of PHY 312 or PHY 313; see the department chair in advance.

The following courses are recommended as preparation for engineering school but are not required by BW.

- PHY 260 - Engineering Materials, 2 credit hours
- PHY 261 - Introduction to Statics, 2 credit hours

Additional Information

Before transferring to the engineering school at which they will complete the work for their degree, pre-engineering students must complete the above program and:

- at least 92 credit hours of coursework at BW
- the BW core curriculum requirements.

Some of our affiliated schools have additional requirements. Pre-Engineering students should check with the schools in which they are interested, and with the BW pre-engineering advisor. For BW students planning on completing their engineering degree at CWRU, PHY 260 and PHY 261 are especially recommended.

Binary Program in Engineering

The pre-engineering program prepares Baldwin Wallace students to earn an engineering degree through educational affiliations with the engineering school of Case Western Reserve University. Upon satisfactory completion of the three-year pre-engineering program at BW and the last two years of the engineering program at the engineering school, a student receives the Bachelor of Arts degree from BW and the Bachelor of Science in their chosen field of engineering from the engineering school. Students may choose instead the option of completing any of the B.S. science majors at BW, so long as they meet the engineering school's entry requirements. *Completion of the program at other recognized engineering schools is possible if prior approval of the BW pre-engineering advisor is obtained.*

Physics, B.A.

Minimum required hours: **47-53** credit (plus prerequisites as indicated)

Physics Core and Advanced Electives

The physics and pre-engineering majors are based on the physics core and the advanced electives.

Physics Core: 34 credits

- PHY 131 - General Physics I, 4 credit hours
AND
- PHY 151 - Introductory Physics Lab I, 1 credit hour
OR
- PHY 145 - Applied College Physics I, 5 credit hours
Either PHY 131 along with PHY 151 or PHY 145, but not both, may be taken for credit.

- PHY 132 - General Physics II, 4 credit hours
AND
- PHY 152 - Introductory Physics Lab II, 1 credit hour
OR
- PHY 146 - Applied College Physics II, 5 credit hours
Either PHY 132 along with PHY 152 or PHY 146, but not both, may be taken for credit.

- PHY 233 - Modern Physics, 4 credit hours

- PHY 312 - Advanced Laboratory, 3 credit hours
OR
- PHY 313 - Computational Physics, 3 credit hours

Required courses in areas other than Physics

- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours

Advanced PHY electives

- PHY 312 - Advanced Laboratory, 3 credit hours
- PHY 313 - Computational Physics, 3 credit hours
- PHY 331 - Physical Mechanics I, 3 credit hours
- PHY 341 - Theoretical Physics, 3 credit hours
- PHY 361 - Electromagnetism, 4 credit hours
- PHY 362 - Physics of Waves, 3 credit hours
- PHY 371 - Thermal Physics, 4 credit hours
- PHY 372 - Quantum Physics, 3 credit hours
- PHY 410 - Special Topics in Physics, 1-4 credit hours (approval required)

Advanced PHY elective for Physics, B.A.

In addition to the Advanced PHY electives listed above, the following course may also apply as an Advanced PHY elective for Physics, B.A. majors:

- PHY 311 - Electronic Instrumentation, 3 credit hours

Required Courses

- PHY 103 - Sci & Hist on Development of Nuclear Weapons in WWII, 3 credit hours
- Advanced PHY electives – any two (2) 6-8 credits
- Additional PHY and AST courses – any two (2) 4-8 credits

Physics, B.S.

Minimum required hours: **62-65** credits (plus prerequisites as indicated)

Physics Core and Advanced Electives

The physics and pre-engineering majors are based on the physics core and the advanced electives.

Physics Core: 34 credits

- PHY 131 - General Physics I, 4 credit hours
AND
- PHY 151 - Introductory Physics Lab I, 1 credit hour
OR
- PHY 145 - Applied College Physics I, 5 credit hours
Either PHY 131 along with PHY 151 or PHY 145, but not both, may be taken for credit.

- PHY 132 - General Physics II, 4 credit hours
AND
- PHY 152 - Introductory Physics Lab II, 1 credit hour
OR
- PHY 146 - Applied College Physics II, 5 credit hours
Either PHY 132 along with PHY 152 or PHY 146, but not both, may be taken for credit.

- PHY 233 - Modern Physics, 4 credit hours

- PHY 312 - Advanced Laboratory, 3 credit hours
OR
- PHY 313 - Computational Physics, 3 credit hours

Required courses in areas other than Physics

- CHM 111 - General Chemistry I, 4 credit hours

- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- MTH 141 - Calculus I, 4 credit hours
- MTH 142 - Calculus II, 4 credit hours

Advanced PHY electives

- PHY 312 - Advanced Laboratory, 3 credit hours
- PHY 313 - Computational Physics, 3 credit hours
- PHY 331 - Physical Mechanics I, 3 credit hours
- PHY 341 - Theoretical Physics, 3 credit hours
- PHY 361 - Electromagnetism, 4 credit hours
- PHY 362 - Physics of Waves, 3 credit hours
- PHY 371 - Thermal Physics, 4 credit hours
- PHY 372 - Quantum Physics, 3 credit hours
- PHY 410 - Special Topics in Physics, 1-4 credit hours (approval required)

Required courses:

- PHY 311 - Electronic Instrumentation, 3 credit hours
- PHY 312 - Advanced Laboratory, 3 credit hours
OR PHY 313 - Computational Physics, 3 credit hours must be taken two times, and may be taken a third time as an elective, with different experiments each time it is taken. With approval by the Department following a presentation and written paper, students may substitute up to three credits of internship or research experience in place of three credits of PHY 312 or PHY 313; see the department chair in advance.
- MTH 243 - Calculus III, 4 credit hours
- MTH 245 - Differential Equations, 3 credit hours
- Advanced PHY electives – any five (5) 15-18 credits

Minors

Physics Minor

A minor in physics requires a minimum of **20** credit hours of courses in physics. These credits must include either General Physics and Lab or Applied College Physics:

Requirements:

- PHY 131 - General Physics I, 4 credit hours
AND
- PHY 151 - Introductory Physics Lab I, 1 credit hour
OR
- PHY 145 - Applied College Physics I, 5 credit hours
- PHY 132 - General Physics II, 4 credit hours
AND
- PHY 152 - Introductory Physics Lab II, 1 credit hour
OR
- PHY 146 - Applied College Physics II, 5 credit hours
- PHY 233 - Modern Physics, 4 credit hours
- An additional two (2) more different courses must be selected from the advanced PHY electives.

Political Science

Majors

Political Science, B.A.

This major is designed to offer the interested student an opportunity to examine many related aspects of political life including the emerging links between politics in nation states and the ongoing phenomenon of globalization. The courses will acquaint the student with various methods of analysis available for and applicable to the study of political institutions, political thought, and political behavior.

The Political Science major emphasizes global citizenship. The department's curriculum prepares students for the challenges of the 21st century by teaching skills such as critical thinking, problem solving, oral and written communication, and ethical appreciation as well as the substance of politics. The curriculum offers students many opportunities for experiential learning, civic engagement, and collaborative research with faculty and other students. Given its historical affiliation with issues of citizenship, justice, and relations among different nations, Political Science enjoys a special kinship with the Baldwin Wallace University mission statement of preparing students to become "contributing, compassionate citizens of an increasingly global society."

Careers in Political Science

Political Science majors pursue varied careers after graduation in government, nonprofit, legal, educational, business, and community organizations. The department emphasizes both broad skill-development and substantive knowledge to prepare students for flexible and successful careers. For more specific information about career opportunities, interested students should read the materials available in the Departmental offices, and consult with individual faculty members.

Minimum required hours: **36**

15 of which must be taken at Baldwin Wallace University.

Required courses:

- POL 101D - U.S. Government and Politics, 4 credit hours
- POL 131 - Democracy and Citizenship, 4 credit hours
- POL 211I - International Politics, 4 credit hours
- POL 221I - Intro to Comparative Politics, 4 credit hours

- POL 240 - Introduction to Political Analysis, 4 credit hours
OR
- POL 441X - Public Interest Research, 4 credit hours

- POL 390 - Preparing for Post-BW, 1 credit hour crosslisted as
- INT 390 - Preparing for Post-BW, 1 credit hour

Elective courses:

At least five additional courses, totaling 15 semester hours, are required. Four of these additional courses (12 or more semester hours), one in each of the four major subfields noted below, must be taken at the 300-400 course level. Take entry courses before enrolling in more advanced courses. Take the Analysis class only after taking at least two of the other required courses.

No prerequisites for most courses in political science, but some presuppose a prior exposure to specific subject matters. Recommended backgrounds for courses are listed in the course descriptions.

American Politics- any one of the following:

- POL 301 - Congress, The Presidency, and Elections, 3 credit hours
- POL 303 - Public Policy and Administration, 3 credit hours
- POL 304D - Urban Policy and Politics, 3 credit hours
- POL 305D - Women, Politics, and the Media, 3 credit hours
- POL 307 - American Constitutional Law, 3 credit hours
- POL 308D - Civil Rights and Liberties, 3 credit hours
- POL 309 - Criminal Law and the Constitution, 3 credit hours
- POL 310 - U.S. Political Economy, 3 credit hours

International Politics- any one of the following:

- POL 311I - American Foreign Policy, 3 credit hours
- POL 314I - Comparative Foreign Relations, 3 credit hours
- POL 315I - International Organization, 3 credit hours
- POL 363(I) - Seminar in Political Science, 2-3 credit hours
- POL 463(I) - Seminar in Political Science, 2-3 credit hours

Comparative Politics- any one of the following:

- POL 321I - Democracy and Democratization, 3 credit hours
- POL 322I - Russia and the Former Soviet Republics, 3 credit hours
- POL 326I - Special Comparative Political Studies, 2-3 credit hours
- POL 327I - Political Change in Asia, 3 credit hours
- POL 329I - Government and Politics in Sub-Saharan Africa, 3 credit hours

Political Theory- any one of the following:

- POL 330 - History of Political Philosophy I: Ancient and Medieval, 3 credit hours
- POL 331 - History of Political Philosophy II: Early Modern and Modern, 3 credit hours
- POL 332 - American Political Thought, 3 credit hours
- POL 333D - Contemporary Political Voices at the Margins, 3 credit hours
- POL 339 - Special Topics in Political Theory, 3 credit hours

any one (1) additional elective.

Semester in Washington, DC:

Students can complete part of the Political Science Major by participating in one of our Washington, DC semester-long programs. Students take 15-16 credits, which includes an internship of the student's choice from a wide variety of settings, including Capitol Hill, the White House, non-profits, law firms, national media outlets, and federal agencies such as the Justice Department and State Department. For more information, contact Professor Barbara Palmer in the Political Science Department at bpalmer@bw.edu or the Explorations Office at explore@bw.edu. Completion of POL 101D prior to participating is strongly recommended.

Minors

Legal Studies Minor

Minimum credits required: **18**

Required Foundation Course: (3 credits)

Take during first or second year:

- POL 207 - Introduction to Law, 3 credit hours

Foundation Skills Course: (3 credits)

Take 1 of the following during second or third year:

- PHL 104 - Critical Thinking, 3 credit hours
- PHL 201 - Logic, 3 credit hours
- PHY 104 - General Problem Solving Techniques, 3 credit hours

Basic Courses: (3-4 credits)

Choose 1 of the following:

- POL 101D - U.S. Government and Politics, 4 credit hours
- PHL 102 - Introduction to Ethics, 3 credit hours
- PHL 103 - Philosophy and Human Nature, 3 credit hours
- PHL 272I - International Ethics, 3 credit hours
- CAS 112 - Presentational Speaking, 3 credit hours

Advanced Law Courses: (9 credits)

Take 3 of the following in at least 2 different fields:

- POL 208 - Special Legal Studies, 1-3 credit hours
 - POL 303 - Public Policy and Administration, 3 credit hours
 - POL 307 - American Constitutional Law, 3 credit hours
 - POL 308D - Civil Rights and Liberties, 3 credit hours
 - POL 309 - Criminal Law and the Constitution, 3 credit hours crosslisted as CRJ 309
 - BUS 326 - Legal Environment of Organizations, 3 credit hours
 - BUS 367 - Health Care Law and Ethics, 3 credit hours
 - BUS 412 - Employment Law, 3 credit hours
 - CAS 428 - Broadcast Law and Ethics, 3 credit hours
- Note:** The CAS 126 pre-req has been waived for Legal Studies minors.
- SOC 323 - Sociology of Law, 3 credit hours
- Note:** SOC 100D is pre-req

Option: Participate in Model UN/NATO/AU

If you would like to count this towards the minor, please contact Professor Barbara Palmer, the Legal Studies Coordinator, at bpalmer@bw.edu.

Option: Participate in one of BW's Washington, DC programs

Students who have junior or senior status can complete most of the Legal Studies minor by participating in one of our semester-in-Washington programs. Taking Intro to Law (3 credits) and one of the Foundation Skills courses prior to going to DC is highly recommended. For more information, contact Professor Barbara Palmer, the Legal Studies Coordinator, at bpalmer@bw.edu or the Explorations Office.

Political Communication Minor

The minor requires a minimum of **19** credits; 7 credits in 2 required courses and 12 credits of electives.

Required:

- POL 101D - U.S. Government and Politics, 4 credit hours

- CAS 112 - Presentational Speaking, 3 credit hours

Electives:

Take a minimum of 12 credits from the following list. At least 6 credits must be at the 300-400 level. Students can only take a maximum of 6 credits in POL or CAS, ensuring that the minor is truly interdisciplinary.

- CAS 120 - Strategies in Public Relations, 3 credit hours
- CAS 226 - Writing for the Media, 3 credit hours
- CAS 315 - Crisis Communication, 3 credit hours
- CAS 371 - Advanced Production, 3 credit hours
- CAS 415 - Studies in Public Relations, 3 credit hours
- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours
- POL 301 - Congress, The Presidency, and Elections, 3 credit hours
- POL 303 - Public Policy and Administration, 3 credit hours
- POL 304D - Urban Policy and Politics, 3 credit hours
- POL 305D - Women, Politics, and the Media, 3 credit hours

- CAS 121 - Audio for Media, 2 credit hours
OR
- CAS 171 - Fundamentals of Television Production, 3 credit hours

- CAS 207 - Group Communication and Leadership, 3 credit hours
OR
- PSY 321 - Human Relations and Group Dynamics, 3 credit hours

- CAS 212 - Business and Professional Communication, 3 credit hours
OR
- BUS 358 - Business Communications, 3 credit hours

- CAS 275 - Propaganda and Persuasion, 3 credit hours
OR
- CAS 410 - Persuasive Campaigns, 3 credit hours

- POL 470 - Internship, Credit hours to be arranged
OR
- CAS 470X - Internship, Credit hours to be arranged

Semester in Washington, DC:

Students can complete most of the Political Communication Minor by participating in one of our Washington, DC semester-long programs. Students take 15-16 credits, which includes an internship of the student's choice from a wide variety of settings, including Capitol Hill, the White House, non-profits, law firms, national media outlets, and federal agencies such as the Justice Department and State Department. For more information, contact Professor Barbara Palmer in the Political Science Department at bpalmer@bw.edu or the Explorations Office at explore@bw.edu. Completion of POL 101D prior to participating is strongly recommended.

Political Science Minor

Of the 20 hours offered for the minor, at least nine must be taken at Baldwin Wallace. Any student may minor in Political Science. With its emphasis on broad skill development, substantive politics, and civic awareness, the minor complements many different majors. Every Baldwin Wallace student must learn to cope successfully with a complex 21st century world. The Political Science minor is designed to help students develop this capacity.

Required courses:

Two courses from:

- POL 101D - U.S. Government and Politics, 4 credit hours
- POL 131 - Democracy and Citizenship, 4 credit hours
- POL 211I - International Politics, 4 credit hours
- POL 221I - Intro to Comparative Politics, 4 credit hours

- POL 240 - Introduction to Political Analysis, 4 credit hours
OR
- POL 441X - Public Interest Research, 4 credit hours

Two advanced courses at 300-400 level: 6 credits
Any two additional courses: 6 credits

Seminar in Washington, DC:

Students can complete most of the Political Science Minor by participating in one of our Washington, DC semester-long programs. Students take 15-16 credits, which includes an internship of the student's choice from a wide variety of settings, including Capitol Hill, the White House, non-profits, law firms, national media outlets, and federal agencies such as the Justice Department and State Department. For more information, contact Professor Barbara Palmer in the Political Science Department at bpalmer@bw.edu or the Explorations Office at explore@bw.edu. Completion of POL 101D prior to participating is strongly recommended.

Pre-Pharmacy Program

Northeastern Ohio Universities College of Pharmacy (NEOUCOP)

3 years at Baldwin Wallace University – 4 years at NEOUCOP

(Bachelor's degree from BW after successful completion of first year of Pharm. D. from NEOUCOP)

Affiliation Program guarantees an interview if the student completes the following:

- Has completed at least 30 semester hours
- Demonstrates the ability to meet ALL the prerequisites prior to admission (see below)
- GPA \geq 3.5 on the 4.0 scale
- PCAT Composite score \geq 75th percentile
- Completes ALL other application materials and procedures as required by NEOUCOP
- Meets ALL other criteria as outlined by the NEOUCOP Admissions Committee

Require Pre-professional Coursework

- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- CHM 251 - Organic Chemistry I, 4 credit hours
- CHM 255 - Organic Chemistry I Laboratory, .5 credit hour
- CHM 252 - Organic Chemistry II, 4 credit hours
- CHM 256 - Organic Chemistry II Laboratory, 1 credit hour

- PHY 131 - General Physics I, 4 credit hours
- PHY 151 - Introductory Physics Lab I, 1 credit hour
- PHY 132 - General Physics II, 4 credit hours
- PHY 152 - Introductory Physics Lab II, 1 credit hour
- **OR**
- PHY 145 - Applied College Physics I, 5 credit hours
- PHY 146 - Applied College Physics II, 5 credit hours

- CHM 311 - Biochemistry, 3 credit hours
- CHM 315 - Biochemistry Laboratory, 1 credit hour
- CHM 411 - Topics in Biochemistry, .5-2 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours
- MTH 141 - Calculus I, 4 credit hours

- PSY 278 - Elements of Statistics, 4 credit hours
- **OR**
- ECN 279 - Basic Statistical Methods, 3 credit hours
- **OR**
- MTH 105 - Introduction to Probability and Statistics, 3 credit hours

- ENG 111 - College Composition, 3 credit hours /Literature
- ENG 131 - Workshop in Exposition and Argument, 3 credit hours

- ECN 100 - Survey of Economics, 3 credit hours
- **OR**
- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- **OR**

- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- CAS 102 - Interpersonal Communication, 3 credit hours
OR
- CAS 112 - Presentational Speaking, 3 credit hours
OR
- CAS 126 - Introduction to Communication, 3 credit hours

- PSY 100 - Principles of Psychological Science, 3 credit hours
- Social Science Electives 6 credit hours
- Humanities Electives 6 credit hours

Total: **72** credit hours

Additional Information

BW students wishing to earn their Bachelor's degree will need to complete the University Core Curriculum, a major and a minor. The University will accept 32 semester hours of "C" or better work [8 hours of CHM- elective credit, 4 hours of BIO- Structure/Function credit, 4 hours of BIO Elective credit, 3 hours of HPE 207W - Nutrition for Daily Living, 3 credit hours , 4 hours of PSY 303 - Physiological Psychology, 4 credit hours and 3 hours of HPE 206 - Medical Terminology, 2 credit hours from the first year of the NEOUCOP program towards the 124 hours required to graduate from Baldwin Wallace University.

Pre-Social Work

Majors

Pre-Social Work, B.A. in Psychology or Sociology

Baldwin Wallace University has a 3+2 affiliation with Case Western University, leading to a bachelor's degree in psychology or sociology from Baldwin Wallace and a Master's in Social Service Administration (professional social work) from Case Western Reserve University (Case). Students complete three years of study at Baldwin Wallace, meeting the requirements listed below. In the third (junior) year they apply for admission to the Senior Year in Professional Studies Program at the Mandel School of Applied Social Sciences at Case.

At the successful completion of the first year of the graduate program at Case (30 semester credit hours), Baldwin Wallace will award the B.A. Case will award the MSSA at the successful completion of the graduate program, at which time the student has the academic qualifications to test for certification as a Licensed Independent Social Worker in the State of Ohio. Persons holding a Master's in Social Service Administration and the LISW are fully qualified to supervise social service casework, manage social service agencies and establish their own private practice in counseling. For additional information regarding recommended courses of study, application of transfer credit and program residency requirements, students are urged to consult with the BW liaison person (contact the Sociology Department) or a member of the Admission counseling staff.

Students majoring in sociology should take four or more courses in psychology. Those majoring in psychology should take four or more courses in sociology. All 3+2 students, in both majors, should work with the BW liaison person, located in the Sociology Department, as well as their regular advisors.

Program Requirements

- Completion of all core requirements at Baldwin Wallace
- Completion of at least 33 hours in either a sociology or psychology major, with elective courses taken in the other department (student should have a strong background in both sociology and psychology)
- GPA of 3.25 or higher
- Minimum of 94 credit hours of undergraduate course work completed prior to admission to CWRU's Mandel School of Applied Social Sciences (students who transfer credits to BW must complete a minimum of 60 credit hours at BW)
- Strong faculty recommendations from BW and recommendation of the BW program coordinator
- Meet all academic and personal requirements of the Admissions Committee at the Mandel School for acceptance into the graduate program

Minimum credits required:

at least 60 total credits at Baldwin Wallace including a minimum of 33 credits in either the sociology or psychology major (plus prerequisites where applicable).

Primary Healthcare Advancement Program

While maintaining the traditional support that Baldwin Wallace provides all pre-medical students, the Primary Healthcare Advancement Program is an exclusive pre-med pathway linked with the Public Health Major to especially foster support and guidance to undergraduate students, focusing on the significance of primary care medicine. It is academically selective and provides an educational environment cultivating a deeper understanding of the medical field in general, as well as the promotion of health and the prevention of disease. It also sharpens the additional skills necessary for the new Medical College Admissions Test, and provides communications with practicing primary care physicians. The program consists of the curriculum of the Public Health Major and the Comprehensive Healthcare Science Curriculum. The goal is to specially guide and counsel students regarding the increasing importance of primary care medicine within our changing healthcare system, and provide a longitudinal curriculum linked with primary care medical school programs.

Program Requirements

Students will apply to the program following their first year at Baldwin Wallace.

Prerequisites

- A minimum ACT/SAT score and first year GPA are required- ask for details.
- Completion of BIO 121, BIO 122, CHM 111, CHM 112, and CHM 115, having earned at least a B grade in each course.
- Presentation of professional conduct and an absence of unprofessional conduct.
- One letter of recommendation from a professor of one of the above biology or chemistry courses.

Prerequisite Courses: First Year Science Courses

- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour

Required Courses: Comprehensive Healthcare Science Curriculum

- BIO 203 - Human Anatomy and Physiology I, 4 credit hours
- BIO 204 - Human Anatomy and Physiology II, 4 credit hours
- BIO 211 - Genetics, 4 credit hours
- BIO 336 - Molecular Biology, 4 credit hours
- CHM 251 - Organic Chemistry I, 4 credit hours
- CHM 255 - Organic Chemistry I Laboratory, .5 credit hour
- CHM 252 - Organic Chemistry II, 4 credit hours
- CHM 256 - Organic Chemistry II Laboratory, 1 credit hour
- CHM 311 - Biochemistry, 3 credit hours
- CHM 315 - Biochemistry Laboratory, 1 credit hour

- PHY 131 - General Physics I, 4 credit hours and
- PHY 151 - Introductory Physics Lab I, 1 credit hour
OR
- PHY 145 - Applied College Physics I, 5 credit hours

- PHY 132 - General Physics II, 4 credit hours and

- PHY 152 - Introductory Physics Lab II, 1 credit hour
OR
- PHY 146 - Applied College Physics II, 5 credit hours
- PSY 100 - Principles of Psychological Science, 3 credit hours
- SOC 100D - Principles of Sociology, 4 credit hours
- SOC 345 - Medical Sociology, 3 credit hours
- MTH 141 - Calculus I, 4 credit hours
- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours
- BIO 405 - Medical Case Studies, 2 credit hours

Required Courses: Public Health Major

- PHT 170 - Introduction to Public Health, 3 credit hours
- PHT 173I - Global Health, 3 credit hours
- PHT 175 - Epidemiology: Measuring Health and Disease, 3 credit hours
- HPE 201 - Orientation to HPE, 1 credit hour
- HPE 270 - Principles of Health Promotion, 3 credit hours
- PHT 274 - Environmental Health, 3 credit hours
- PHT 275 - Infectious Disease & Epidemics, 3 credit hours
- PHT 370 - Health Policy & Public Health, 3 credit hours
- PHT 375X - Health and Social Justice, 3 credit hours
- PHT 470X - Public Health Internship, Credit hours to be arranged
- PHT 471 - Public Health Colloquium III, 1 credit hour ¹
- PHT 475 - Professional Seminar, 3 credit hours
- MTH 108 - Biostatistics, 3 credit hours
- Elective Courses Approved by Director, 6 credit hours²

¹ Only one Public Health Colloquium is required for students in the Primary Healthcare Advancement Program. PHT 271 and PHT 371 are credited by the BIO 405 Medical Case Studies course.

² Elective Credits are satisfied by the Comprehensive Healthcare Sciences Curriculum courses BIO 211 and SOC 345.

Psychology

Consistent with the mission of the University, the Department of Psychology contributes to a high-quality, liberal arts education within the context of an open, diverse environment. The faculty, as scholars and teachers, provide a learning environment rich in the knowledge and skills that comprise the science and application of Psychology. This environment fosters the development of personal and professional responsibility as well as lifelong learning. Psychology students, faculty and staff collaborate to develop and refine the interpersonal and professional knowledge, skills and values of our students so that they will lead compassionate and productive lives.

Majors

Psychology, B.S.

Courses in the Department of Psychology are designed to (1) increase students' knowledge about themselves and others, (2) acquaint them with the latest research in the area of human motivation, cognition, psychotherapy, neurophysiology and behavior, (3) engender in students extensive skills applicable to a wide array of careers, (4) develop an appreciation of the scientific method in the investigation of cause and effect relationships in human behavior, and (5) develop insights and understanding of individual differences, cultural differences and developmental changes.

Minimum credits required: **41** (plus prerequisites as indicated)

Required courses

- PSY 100 - Principles of Psychological Science, 3 credit hours
- PSY 150 - Professional Identity for the Psychology Major, 2 credit hours
- PSY 151 - Skills in Psychology, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours
- PSY 279 - Laboratory in Statistical Methods, 2 credit hours
- PSY 280 - Research Methods, 3 credit hours
- PSY 281X - Thesis in Psychology, 3 credit hours
- PSY 412 - History and Systems of Psychology, 4 credit hours

Any two (2) of the following Psychological Processes courses must be successfully completed:

- PSY 303 - Physiological Psychology, 4 credit hours
- PSY 327 - Psychology of Learning, 4 credit hours
- PSY 328 - Cognitive Processes, 4 credit hours
- PSY 329 - Sensation and Perception, 4 credit hours
- Appropriate Seminar 3 credits

Any one (1) of the following Human Relations courses must be successfully completed:

- PSY 245D - Multicultural Psychology, 3-4 credit hours
- PSY 304 - Personality Psychology, 4 credit hours
- PSY 321 - Human Relations and Group Dynamics, 3 credit hours
- PSY 339 - Social Psychology, 4 credit hours
- Appropriate Seminar 3 credits

Any one (1) of the following Developmental courses must be successfully completed:

- PSY 205 - Developmental Psychology, 3 credit hours

- PSY 235 - Adult Development and Aging, 4 credit hours
- PSY 315 - Child Development, 4 credit hours
- PSY 325 - Adolescent Development, 4 credit hours
- Appropriate Seminar 3 credits

Any one (1) of the following Applied courses must be successfully completed:

- PSY 302 - Abnormal Psychology, 4 credit hours
- PSY 312D - Counseling Psychology, 4 credit hours
- PSY 316D - Child Psychopathology, 3 credit hours
- PSY 320 - Industrial/Organizational Psychology, 4 credit hours
- Appropriate Seminar 3 credits

Any one (1) Additional course or seminar to be selected from the following:

- NRO 250 - Principles of Neuroscience, 3 credit hours
- PSY 215D - Psychology of Women, 4 credit hours
- PSY 220SX - Child Maltreatment, 4 credit hours
- PSY 263 - Special Topics Seminars, 1-4 credit hours
- PSY 301 - Psychological Testing, 4 credit hours
- PSY 326 - Applied Behavior Analysis, 3 credit hours
- PSY 340 - Social Cognition, 4 credit hours
- PSY 363 - Seminar, 1-4 credit hours
- PSY 373 - Seminar in Clinical Experience, 2 credit hours
- PSY 473 - Clinical Experience, Credit hours to be arranged
- any course not selected previously from above categories.

Note:

PSY 050(I), PSY 070, or PSY 273 **may not** be used to fulfill the "Additional course or seminar" requirement.

Minors

Psychology Minor

Minimum total credits for a Psychology minor is **17**.

Requirements:

- PSY 100 - Principles of Psychological Science, 3 credit hours
- and any Psychology classes at the 200, 300 or 400 level (minimum of 14 credits)

Public Health

Majors

Public Health, B.S.

The Bachelor of Science in Public Health will prepare students for entry level careers in Public Health, graduate programs in Public Health, and other clinical health professions. The major will provide students with the knowledge and skills to investigate and promote the health and well-being of diverse populations and to work towards health equity for all people. The program will provide undergraduate students with competency in disease investigation and prevention, and health promotion and program management. Students will be provided opportunities for hands-on experiences in working with diverse communities and health care organizations regionally, nationally and internationally.

Minimum credits required: **46**

Required courses:

- PHT 170 - Introduction to Public Health, 3 credit hours
- PHT 173I - Global Health, 3 credit hours
- PHT 175 - Epidemiology: Measuring Health and Disease, 3 credit hours
- HPE 201 - Orientation to HPE, 1 credit hour
- HPE 270 - Principles of Health Promotion, 3 credit hours
- PHT 271 - Public Health Colloquium I, 1 credit hour
- PHT 274 - Environmental Health, 3 credit hours
- PHT 275 - Infectious Disease & Epidemics, 3 credit hours
- PHT 370 - Health Policy & Public Health, 3 credit hours
- PHT 371 - Public Health Colloquium II, 1 credit hour
- PHT 375X - Health and Social Justice, 3 credit hours
- PHT 470X - Public Health Internship, Credit hours to be arranged
- PHT 471 - Public Health Colloquium III, 1 credit hour
- PHT 475 - Professional Seminar, 3 credit hours
- MTH 108 - Biostatistics, 3 credit hours
- Elective credits (approved by advisor) 6 credits

Note:

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by prerequisites.

Public & Nonprofit Management

Majors

Public & Nonprofit Management, B.A.

Minimum credits required: 39

Foundations

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- POL 303 - Public Policy and Administration, 3 credit hours
- POL 470 - Internship, Credit hours to be arranged (3 credit hours required)

Take one of the following:

- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- POL 310 - U.S. Political Economy, 3 credit hours
- POL 339 - Special Topics in Political Theory, 3 credit hours (Money, Power, and Politics topic)

Management

- AMG 201 - Principles & Practices of Arts Management I, 3 credit hours
- BUS 305 - Introduction to Management, 3 credit hours
- BUS 410 - Human Resource Management, 3 credit hours
- ENG 309SX - Grant Writing, 3 credit hours
- POL 341 - Public and Nonprofit Finance and Budgeting, 3 credit hours

Research & Analysis

Take one of the following data analytics courses:

- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours

Take one of the following research methods courses:

- POL 240 - Introduction to Political Analysis, 4 credit hours
- POL 441X - Public Interest Research, 4 credit hours
- PSY 280 - Research Methods, 3 credit hours
- SOC 280 - Research Methods, 4 credit hours

Take one of the following urban studies electives:

- ECN 356D - Urban & Regional Economics, 3 credit hours
- PHT 373S - Community Health Planning, 3 credit hours
- PHT 375X - Health and Social Justice, 3 credit hours
- POL 304D - Urban Policy and Politics, 3 credit hours
- SOC 303IX - Urban Community Life, 4 credit hours

Take one of the following issue/policy electives:

- ECN 358 - Environmental Economics, 3 credit hours
- PHT 170 - Introduction to Public Health, 3 credit hours
- PHT 274 - Environmental Health, 3 credit hours
- PHT 370 - Health Policy & Public Health, 3 credit hours
- PSY 220SX - Child Maltreatment, 4 credit hours
- PSY 245D - Multicultural Psychology, 3-4 credit hours
- SOC 201D - Social Problems, 4 credit hours
- SOC 288 - Environmental Sociology, 3 credit hours

Minors

Public & Nonprofit Management Minor

Minimum credits required: 21

Foundations

- ECN 201 - Principles of Economics I (Micro), 3 credit hours
- POL 303 - Public Policy and Administration, 3 credit hours

Take one of the following:

- ECN 202 - Principles of Economics II (Macro), 3 credit hours
- POL 310 - U.S. Political Economy, 3 credit hours
- POL 339 - Special Topics in Political Theory, 3 credit hours (Money, Power, and Politics topic)

Management

- BUS 305 - Introduction to Management, 3 credit hours
- POL 341 - Public and Nonprofit Finance and Budgeting, 3 credit hours

Research & Analysis

Take one of the following research methods courses:

- POL 240 - Introduction to Political Analysis, 4 credit hours
- POL 441X - Public Interest Research, 4 credit hours
- PSY 280 - Research Methods, 3 credit hours
- SOC 280 - Research Methods, 4 credit hours

Take one of the following issue/policy elective courses:

- PHT 170 - Introduction to Public Health, 3 credit hours
- PHT 370 - Health Policy & Public Health, 3 credit hours
- PHT 375X - Health and Social Justice, 3 credit hours
- POL 304D - Urban Policy and Politics, 3 credit hours
- PSY 245D - Multicultural Psychology, 3-4 credit hours
- SOC 201D - Social Problems, 4 credit hours
- SOC 288 - Environmental Sociology, 3 credit hours
- SOC 303IX - Urban Community Life, 4 credit hours

Religion

The courses offered by the Religion Department explore the religious dimensions of human experience as expressed in literary, historical, & symbolic forms. They focus on how human response to the sacred in word and deed becomes part of a system of meaning and purpose. Using a variety of disciplinary perspectives, Religion Department courses introduce students to a wide range of the religious traditions of the world.

The main goal of all Religion Department courses is to equip students with the skills for understanding and appreciating the rich diversity of religious traditions from around the world, as well as their own religious experience, and for identifying and interpreting for themselves the ultimate questions religious traditions address.

The courses of the department are grounded in a commitment to the liberal arts by their focus on interdisciplinary approaches, critical thinking, writing skills and personal and spiritual development. While a religion major is ideal for the pursuit of a Christian vocation or graduate work in religious studies, its emphases on thinking, writing, and ethics make it equally valuable for a variety of careers in the public or private sector.

Majors

Religion, B.A.

The Religion major consists of a minimum of 37 credit hours including required courses REL 100, REL 290 (3 semesters) REL 363(I)/REL 463(I) (2 advanced seminars), and REL 491 (the Departmental Thesis/Project). Prerequisites apply to the following courses: REL 290 (requires one course in religion), REL 363(I) and REL 463(I) (each requires one course in religion and completion of ENG 131), and REL 491 (requires completion of two advanced seminars). Prerequisites are included in the 37 credit hour total. Majors are required to take one course from the list of courses for each of the four distribution areas: World Religions, Spirituality, Scripture, and Religion in Cultural Contexts. Majors must also complete three or more Religion elective courses, which can include Independent Study projects and Internships. For further information on Independent Study/Internships, contact the Department Chair. Finally, majors are required to complete both the Senior Evaluation form and the Senior Reflection essay which can be found on the department Blackboard site. Minimum credits required: **37** (plus prerequisites as indicated)

Required Courses

- REL 100 - Introduction to Religion, 3 credit hours
- REL 290 - Departmental Colloquium, 1 credit hour (3 credits required)
- REL 363(I)/463(I) - (2 Advanced Seminars), 6-8 credit hours
- REL 491 - Departmental Thesis/project, 3-4 credit hours

Distribution Requirements:

World Religions - Choose one from:

- REL 215I - Death and the Afterlife in the World's Religions, 4 credit hours
- REL 216I - Women and Religion, 4 credit hours
- REL 217I - Religion, Violence & Peace, 4 credit hours
- REL 218D - American Religious Pluralism, 4 credit hours
- REL 219I - Religion and the Environment, 4 credit hours

Spirituality - Choose one from:

- REL 121 - Spiritual Disciplines, 3 credit hours
- REL 125 - Modern Spiritual Paths, 3 credit hours
- REL 127 - Contemplative Spirituality, 3 credit hours

- REL 222 - History of Christian Spirituality, 3 credit hours

Scripture - Choose one from:

- REL 242 - Intro to the Hebrew Bible/ Old Testament, 3 credit hours
- REL 243 - Jesus and the Gospels, 3 credit hours
- REL 244 - Christianity in the New Testament, 3 credit hours
- REL 245 - History of the Bible, 3 credit hours

Religion in Cultural Contexts: History, Theology, Culture - Choose one from:

- REL 161 - Christian Faith & Thought, 3 credit hours
- REL 265 - Religion and Literature, 3 credit hours
- REL 266 - Religion & Film, 3 credit hours

Evaluation Requirements: (To be completed during the last semester of senior year. If completed earlier, the evaluations will be discarded and must be completed again.)

- Senior Evaluation (on Blackboard)
- Senior Reflection Essay (on Blackboard)

Elective Courses:

- Three or more Religion elective courses 9 credits

Minors

Religion Minor

A minor in Religion requires a minimum of 19 credit hours including three required courses: REL 100, REL 290 (one semester) and REL 363(I)/REL 463(I) (one advanced seminar). Prerequisites apply to the following courses: REL 290 (requires one course in religion), REL 363(I) and REL 463(I) (each requires one course in religion and completion of ENG 131). Prerequisites are included in the 19 credit hour total. Elective courses, including Independent Study projects and/or internships, fill out the balance of credit hours. For further information on Independent Study/Internships, contact the Department Chair. Finally, minors are required to complete both the Senior Evaluation form and the Senior Reflection essay which can be found on the department Blackboard site. Minimum credits required: **19** (plus prerequisites as indicated)

Required Courses:

- REL 100 - Introduction to Religion, 3 credit hours
- REL 290 - Departmental Colloquium, 1 credit hour
- REL 363(I) - Seminar in Religion, 3 or 4 credit hours
OR
- REL 463(I) - Seminar in Religion, 3 or 4 credit hours

Elective Courses:

- Four or more Religion elective courses 12 credits

Evaluation Requirements: (To be completed during the last semester of senior year. If completed earlier, the evaluations will be discarded and must be completed again.)

- A. Senior Evaluation (on Blackboard)
- B. Senior Reflection Essay (on Blackboard)

Sociology

Sociology is a life-skill. It allows individuals to make informed and objective choices when faced with life's most difficult and challenging conditions. A sociology major at Baldwin Wallace University will seek to understand a wide variety of human relationships, the interrelatedness between the individual and the society, and the general functioning of the modern global society. At Baldwin Wallace, students learn about and actively test theories of society and produce their own research in the department's state-of-the-art computer lab. The skills acquired are thus not only useful to better prepare students for life, but are at the same time marketable skills that a variety of employers and graduate schools look for. Students with a degree in sociology from Baldwin Wallace University should be able to: apply a sociological perspective in their professional careers and in their everyday lives; critically evaluate information that is presented to them; and conduct sociological research using the principles of scientific inquiry.

The sociology program encourages active citizenship through service and experiential learning. The department emphasizes research and data analysis skills and prepares students accordingly. It also prepares students for graduate programs and a wide variety of careers that require a baccalaureate degree, including positions in social services, government and business organizations, as well as research agencies. "Many students choose sociology because they see it as a broad liberal arts base for professions such as law, education, medicine, social work, and counseling." (Quote from The American Sociological Association.)

Majors

Sociology, B.A.

Minimum credits required: **40-42** (plus prerequisites as indicated)

Required courses: Minimum of **31**

Required:

- SOC 100D - Principles of Sociology, 4 credit hours
- SOC 280 - Research Methods, 4 credit hours
- SOC 281 - Data Analysis Using PASW, 4 credit hours
- SOC 301D - Social Inequalities, 3 credit hours
- SOC 303IX - Urban Community Life, 4 credit hours
- SOC 315 - Sociological Theory, 3 credit hours
- SOC 400 - Applied Sociological Research, 3 credit hours
- SOC 450 - Sociology Proseminar, 3 credit hours

Choice of one:

- PSY 278 - Elements of Statistics, 4 credit hours
- ECN 279 - Basic Statistical Methods, 3 credit hours
- MTH 105 - Introduction to Probability and Statistics, 3 credit hours

Required Sociology Elective credits:

Minimum of three courses for 9-12 hours (at least two courses must be 300-level or above)

Additional Information on the Major

Up to three credit hours of Independent Study (SOC 050(I)) and four credits of Field Experience (SOC 070) may be counted toward the 40-42 credit requirements. Transfer students must take at least five courses in sociology at Baldwin Wallace, of which at least 3 courses must be at the 300- 400 course level.

Students majoring in sociology generally select one of four broad career paths:

1. Business positions, often in sales, marketing, or human resources departments. Courses such as SOC 301D - Social Inequalities, 3 credit hours; SOC 310 - Work in America, 4 credit hours; and research and SOC 281 - Data Analysis Using PASW, 4 credit hours using PASW are especially appropriate for this career goal. A minor in business is recommended. Internships can be arranged in a variety of settings.
2. Government agencies and urban planning. Students electing this career goal should do an independent study using PASW and an internship.
3. Social services in the private sector, including work with children, elderly in nursing homes and community action programs. Those intending to become social workers should plan for graduate school and professional certification (see the 3+2 social work program). Courses in Aging, Juvenile Delinquency and Social Problems are especially appropriate for this career path, as is the Gerontology Minor. An internship with a public or private agency is recommended.
4. Professional sociologists teaching at the University level or conducting research, or consulting in business and nonprofit organizations. This career goal requires graduate work, usually to the Ph.D. level. Students planning graduate work in any area of social science should do an independent study employing quantitative research techniques.

In addition to these career paths, some sociology majors go to law school. Others take jobs in the criminal justice field or hold management positions in the public and private sector. The department has additional information on career options. Students in all career paths are encouraged to use independent studies, internships and service learning opportunities to extend their education and prepare for job entry. Ordinarily, course work or work experience in the area of interest must precede the independent study.

Students interested in double majors, pairing sociology with psychology, business, criminal justice, communications, or political science, will receive credit in the sociology major for one or more course in the second major. Information on sociology double majors is available in the department office.

The Department of Sociology periodically offers seminars designated as SOC 263(I) or SOC 463(I) to acquaint the interested student with a wide range of special topics. SOC 250(I) - Topics in Sociology, 3 credit hours includes courses dealing with specialized areas; SOC 350 - Topics In Sociology, 3 credit hours will include a significantly greater component of academic rigor and/or computer labs/service learning/additional research obligations found in courses such as "*Criminology*," "*Social Inequalities*," "*Urban Community Life*," "*Social Policies on Aging*," "*Race and Racism from a Socio-Anthropological Perspective*," or a sociological study of a particular country.

Minors

Sociology Minor

Minimum credits required: **20** credit hours

Required:

- SOC 100D - Principles of Sociology, 4 credit hours

Select at least one:

If you had a previous methods course, we recommend that you take Sociological Theory.

- SOC 280 - Research Methods, 4 credit hours
- SOC 315 - Sociological Theory, 3 credit hours

Additional courses to total 20 hours

Note: A minimum of three sociology courses must be taken at Baldwin Wallace. No more than four hours (combined) of SOC 050(I) and SOC 070 credit may be counted toward the minor.

Sustainability

Sustainability is a broad, new concept that has become pre-eminent within twenty-first century global society. It concerns the attempt to understand how the growth of human society threatens the future health and well-being of humans and the natural world in which we live. Most critically, it seeks effective solutions that advance not only human well-being but also the health of the planet. This major exposes the student to the broad diversity of academic disciplines that are critical to understanding and creating solutions for this social and environmental challenge, including life and earth sciences, the social sciences, business and the humanities. It seeks to couple the knowledge, skills, and values of these disciplines with practical, hands-on experiences outside the classroom so that the successful graduate is able to effectively understand, live, and work in a world that will be significantly different from the past. Each student selects an upper level course track according to one's personal and professional interests and aspirations. A mandatory internship or field experience provides "real life" exposure to sustainability challenges. A final capstone course weaves together interdisciplinary knowledge and practical problem-solving experiences.

Majors

Sustainability: Business Administration, B.A.

Minimum credits required: 53

Required courses

- BIO/ECN/HUM/POL/SUS 150I - Humans & The Earth: Can We Coexist?, 3 credit hours
- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- GEO 227 - Environmental Geology, 3 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- SUS 363 - Integrated Sustainability Topics, 3 credit hours

Take 4 of the following courses:

- BUS 350 - Green Business, 3 credit hours
- HIS 205I - History and the Environment: Global Perspectives, 3 credit hours
- HPE 210W - Sustainable Food & Nutrition Choices, 2 credit hours
- PHL 273I - Environmental Ethics, 3 credit hours
- POL 205 - Environmental Politics, 3 credit hours
- SOC 288 - Environmental Sociology, 3 credit hours

- ECN 100 - Survey of Economics, 3 credit hours
OR
- ECN 201 - Principles of Economics I (Micro), 3 credit hours

Statistics: (Select one of the following)

- ECN 279 - Basic Statistical Methods, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours
- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
- MTH 108 - Biostatistics, 3 credit hours

Elective Courses

At least 12 credit hours should be completed from one of the four upper level track of courses (sciences, humanities & social sciences, business administration, or quantitative). Courses may not be mixed among the four tracks.

Business Administration:

- BUS 305 - Introduction to Management, 3 credit hours
- BUS 315 - Managing a Growing Venture, 3 credit hours
- BUS 326 - Legal Environment of Organizations, 3 credit hours
- BUS 329 - Business Ethics, 3 credit hours
- BUS 330 - Introduction to Marketing, 3 credit hours
- BUS 342 - Corporate & Organizational Finance, 3 credit hours
- BUS 358 - Business Communications, 3 credit hours
- BUS 360I - Political & Social Responsibility of Multinational Corporation, 3 credit hours
- BUS 415X - Entrepreneurship Capstone Experience, 3 credit hours

Experiential Learning Component

Options for the 3 credit experiential learning component include:

- a. an internship with a local organization that explicitly relates to sustainability
- b. an approved study abroad experience that includes a sustainability component
- c. a science based field work project

Capstone

- SUS 400 - Sustainability Capstone, 3 credit hours

Sustainability: Humanities and Social Sciences, B.A.

Minimum credits required: 53

Required courses

- BIO/ECN/HUM/POL/SUS 150I - Humans & The Earth: Can We Coexist?, 3 credit hours
- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- GEO 227 - Environmental Geology, 3 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- SUS 363 - Integrated Sustainability Topics, 3 credit hours

Take 4 of the following courses:

- BUS 350 - Green Business, 3 credit hours
- HIS 205I - History and the Environment: Global Perspectives, 3 credit hours
- HPE 210W - Sustainable Food & Nutrition Choices, 2 credit hours
- PHL 273I - Environmental Ethics, 3 credit hours
- POL 205 - Environmental Politics, 3 credit hours
- SOC 288 - Environmental Sociology, 3 credit hours

- ECN 100 - Survey of Economics, 3 credit hours
- OR**
- ECN 201 - Principles of Economics I (Micro), 3 credit hours

Statistics: (Select one of the following)

- ECN 279 - Basic Statistical Methods, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours

- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
- MTH 108 - Biostatistics, 3 credit hours

Elective Courses

At least 12 credit hours should be completed from one of the four upper level track of courses (sciences, humanities & social sciences, business administration, or quantitative). Courses may not be mixed among the four tracks.

Humanities & Social Sciences:

- ECN 356D - Urban & Regional Economics, 3 credit hours
- ECN 358 - Environmental Economics, 3 credit hours
- ECN 362I - Economics of Developing Countries, 3 credit hours
- ECN 365I - International Economics, 3 credit hours
- ENG 308 - Nature Writing, 3 credit hours
- CAS 410 - Persuasive Campaigns, 3 credit hours
- CAS 415 - Studies in Public Relations, 3 credit hours
- POL 301 - Congress, The Presidency, and Elections, 3 credit hours
- POL 303 - Public Policy and Administration, 3 credit hours
- POL 315I - International Organization, 3 credit hours
- REL 219I - Religion and the Environment, 4 credit hours
- SOC 303IX - Urban Community Life, 4 credit hours
- SOC 330D - Protests, Movements and Social Change, 3 credit hours

Experiential Learning Component

Options for the 3 credit experiential learning component include:

- a. an internship with a local organization that explicitly relates to sustainability
- b. an approved study abroad experience that includes a sustainability component
- c. a science based field work project

Capstone

- SUS 400 - Sustainability Capstone, 3 credit hours

Sustainability: Quantitative, B.A.

Minimum credits required: **53**

Required courses

- BIO/ECN/HUM/POL/SUS 150I - Humans & The Earth: Can We Coexist?, 3 credit hours
- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- GEO 227 - Environmental Geology, 3 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- SUS 363 - Integrated Sustainability Topics, 3 credit hours

Take 4 of the following courses:

- BUS 350 - Green Business, 3 credit hours
- HIS 205I - History and the Environment: Global Perspectives, 3 credit hours
- HPE 210W - Sustainable Food & Nutrition Choices, 2 credit hours

- PHL 273I - Environmental Ethics, 3 credit hours
- POL 205 - Environmental Politics, 3 credit hours
- SOC 288 - Environmental Sociology, 3 credit hours
- ECN 100 - Survey of Economics, 3 credit hours
OR
- ECN 201 - Principles of Economics I (Micro), 3 credit hours

Statistics: (Select one of the following)

- ECN 279 - Basic Statistical Methods, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours
- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
- MTH 108 - Biostatistics, 3 credit hours

Elective Courses

At least 12 credit hours should be completed from one of the four upper level track of courses (sciences, humanities & social sciences, business administration, or quantitative). Courses may not be mixed among the four tracks.

Quantitative:

- MTH 142 - Calculus II, 4 credit hours
- MTH 243 - Calculus III, 4 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours

Experiential Learning Component

Options for the 3 credit experiential learning component include:

- an internship with a local organization that explicitly relates to sustainability
- an approved study abroad experience that includes a sustainability component
- a science based field work project

Capstone

- SUS 400 - Sustainability Capstone, 3 credit hours

Sustainability: Sciences, B.A.

Minimum credits required: **58**

Required Courses

- BIO/ECN/HUM/POL/SUS 150I - Humans & The Earth: Can We Coexist?, 3 credit hours
- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
- GEO 227 - Environmental Geology, 3 credit hours
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour
- SUS 363 - Integrated Sustainability Topics, 3 credit hours

Take 4 of the following courses:

- BUS 350 - Green Business, 3 credit hours
- HIS 205I - History and the Environment: Global Perspectives, 3 credit hours
- HPE 210W - Sustainable Food & Nutrition Choices, 2 credit hours
- PHL 273I - Environmental Ethics, 3 credit hours
- POL 205 - Environmental Politics, 3 credit hours
- SOC 288 - Environmental Sociology, 3 credit hours
- ECN 100 - Survey of Economics, 3 credit hours
- **OR**
- ECN 201 - Principles of Economics I (Micro), 3 credit hours

Statistics: (Select one of the following)

- ECN 279 - Basic Statistical Methods, 3 credit hours
- PSY 278 - Elements of Statistics, 4 credit hours
- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
- MTH 108 - Biostatistics, 3 credit hours

Elective Courses

At least 12 credit hours should be completed from one of the four upper level track of courses (sciences, humanities & social sciences, business administration, or quantitative). Courses may not be mixed among the four tracks.

Sciences: (2 of the 3 courses must be at the 300 level)

- BIO 211 - Genetics, 4 credit hours
- BIO 212 - Microbiology, 4 credit hours
- BIO 308 - Evolution of Animal Behavior, 4 credit hours
- BIO 309 - Vertebrate Natural History, 4 credit hours
- BIO 310 - Evolution, 4 credit hours
- BIO 311 - Conservation Biology, 4 credit hours
- BIO 313 - Ecology, 4 credit hours
- BIO 314 - Molecular Ecology, 4 credit hours
- BIO 334 - Invertebrate Natural History, 4 credit hours
- BIO 336 - Molecular Biology, 4 credit hours
- BIO 337 - Plant Physiology, 4 credit hours
- CHM 251 - Organic Chemistry I, 4 credit hours
- CHM 255 - Organic Chemistry I Laboratory, .5 credit hour
- CHM 281 - Environmental Chemistry, 3 credit hours
- CHM 285 - Environmental Chemistry Laboratory, 1 credit hour
- GEO 315 - Hydrology, 4 credit hours
- GEO 316 - Soils and Geomorphology, 4 credit hours

Experiential Learning Component

Options for the 3 credit experiential learning component include:

- an internship with a local organization that explicitly relates to sustainability
- an approved study abroad experience that includes a sustainability component
- a science based field work project

Capstone

- SUS 400 - Sustainability Capstone, 3 credit hours

Minors

Sustainability Minor

Minimum credits required: **22-26**

A. Humans and the Earth Requirement: (3 credits)

- BIO/ECN/HUM/POL/SUS 150I - Humans & The Earth: Can We Coexist?, 3 credit hours

B. Science Requirement: (6-9 credits)

Non-Science Majors: *Select one of the following options-*

Non-Science Option A

- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
AND
- one course from those listed below.

Non-Science Option B

Select two courses in the same discipline from those listed below.

- BIO 121 - Principles Of Biology I, 4 credit hours
- BIO 122 - Principles Of Biology II, 4 credit hours
OR
- GEO 121I - Physical Geography, 4 credit hours

- GEO 227 - Environmental Geology, 3 credit hours
OR
- CHM 111 - General Chemistry I, 4 credit hours
- CHM 112 - General Chemistry II, 4 credit hours
- CHM 115 - General Chemistry Lab, 1 credit hour

Science Majors: *Select one of the following options-*

Science Option A

- MTH 105 - Introduction to Probability and Statistics, 3 credit hours
AND
- one course from those listed below that does not carry their major prefix or is not a requirement in their major.

Science Option B

Select two courses from those listed below that do not carry their major prefix or are not a requirement in their major.

- BIO 310 - Evolution, 4 credit hours
- BIO 313 - Ecology, 4 credit hours
- BIO 334 - Invertebrate Natural History, 4 credit hours
- BIO 212 - Microbiology, 4 credit hours
- GEO 121I - Physical Geography, 4 credit hours
- GEO 227 - Environmental Geology, 3 credit hours

- CHM 221 - Quantitative Analysis, 3 credit hours
- CHM 225 - Quantitative Analysis Laboratory, 1 credit hour

C. Social Science Requirement: (6 credits)

Select two of the following courses from different disciplines:

- SOC 288 - Environmental Sociology, 3 credit hours
- POL 205 - Environmental Politics, 3 credit hours
- ECN 358 - Environmental Economics, 3 credit hours
- ECN 362I - Economics of Developing Countries, 3 credit hours

D. Humanities/ HPE: (5-6 credits)

Select two of the following courses:

- PHL 273I - Environmental Ethics, 3 credit hours
- ENG 308 - Nature Writing, 3 credit hours (Nature Writing)
- HPE 210W - Sustainable Food & Nutrition Choices, 2 credit hours

Note:

HPE 210W could be substituted by another suitable HPE- Wellness or Special topics seminar course, with consent of the School of Health, Physical Education and Sport Sciences.

E. Internship/ Field Experience: (2 credits)

- A mandatory (2 credit minimum) internship/field experience, approved by the Sustainability co-directors.

Theatre and Dance

The theatre major is designed to provide students with a broad introduction to the major in addition to focusing on an area of specialization. Students begin the major by taking a series of common courses in literature, history, collaborative studies, introduction to acting and stagecraft. In addition, students choose a specialized track from one of the following areas: acting and directing; design and technical studies; or stage management. Courses are supplemented through an ambitious production program, allowing students to put classroom experiences into real-world practice.

Majors

Acting, B.F.A.

Minimum credits required: **82**

Required Courses:

- THE 100 - Introduction To Theatre, 3 credit hours
- THE 135 - Singing for Actors, 2 credit hours
- THE 150 - Makeup for the Stage, 1 credit hour
- THE 160 - Acting I, 3 credit hours
- THE 162 - Backstage Experience, 1-2 credit hours
- THE 169 - Acting on Camera, 3 credit hours
- THE 180 - Stagecraft, 3 credit hours
- THE 190 - Script Analysis, 3 credit hours
- THE 250 - Audition Techniques, 2 credit hours
- THE 260 - Acting II, 3 credit hours
- THE 261 - The Actor's Voice, 3 credit hours
- THE 266 - Acting on Camera, 3 credit hours
- THE 270 - Collaborative Studies in Theatre, 3 credit hours
- THE 276 - Movement, 2 credit hours
- THE 277 - Stage Combat I, 3 credit hours
- THE 288I - Theatre History I, 3 credit hours
- THE 289I - Theatre History II, 3 credit hours
- ENG/THE 328IX - Acting Shakespeare, 4 credit hours
- THE 360 - Acting III, 3 credit hours
- THE 361 - Music Theatre, 2 credit hours
- THE 390 - Directing, 3 credit hours
- THE 460 - Acting IV, 3 credit hours
- THE 461 - Acting V, 3 credit hours
- THE 465 - Shakespeare in Performance, 4 credit hours
- THE 495 - Showcase, 2 credit hours
- HPE 120W - Ballet I Practicum, 1 credit hour
- HPE 121W - Jazz I Practicum, 1 credit hour
- HPE 122W - Modern I Practicum, 1 credit hour
- DAN 222 - Modern II Practicum, 1 credit hour
- CSD 225 - Phonetics and Phonology, 3 credit hours
- ENG 233 - Workshop in Creative Writing, 3 credit hours (Playwriting topic)

Choose One of the Following:

- THE 382 - Scenic Design, 3 credit hours

- THE 383 - Lighting Design, 3 credit hours
- THE 385 - Costume Design, 3 credit hours

BFA Core:

- FYE 100 - First-Year Experience, 3 credit hours
- ENG 131 - Workshop in Exposition and Argument, 3 credit hours
- MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours or higher
- Writing Extension, 3 credit hours¹
- Quantitative Extension, 3 credit hours¹
- Diversity Course, 3 credit hours¹
- Natural Science Course, 3 credit hours¹
- Social Science Course, 3 credit hours¹
- Interdisciplinary Course, 3 credit hours¹

¹ Refer to the Bachelor of Arts and Sciences Core or WebExpress Search for Sections feature to identify courses approved to meet this requirement.

Theatre: Acting and Directing, B.A.

Minimum credits required: **44**

Required Courses: 23 hours total

- THE 100 - Introduction To Theatre, 3 credit hours
- THE 160 - Acting I, 3 credit hours
- THE 162 - Backstage Experience, 1-2 credit hours
- THE 180 - Stagecraft, 3 credit hours
- THE 190 - Script Analysis, 3 credit hours
- THE 270 - Collaborative Studies in Theatre, 3 credit hours
- THE 288I - Theatre History I, 3 credit hours
- THE 289I - Theatre History II, 3 credit hours

Acting and Directing Track: 21-22 hours total

- THE 150 - Makeup for the Stage, 1 credit hour
- THE 250 - Audition Techniques, 2 credit hours
- THE 260 - Acting II, 3 credit hours
- THE 360 - Acting III, 3 credit hours
- THE 390 - Directing, 3 credit hours

Tech Option- Choose one of the following:

- THE 220 - Rendering Techniques, 3 credit hours
- THE 240 - Vectorworks, 3 credit hours
- THE 375 - Costume Construction I, 2 credit hours

Design Option- Choose one of the following:

- THE 382 - Scenic Design, 3 credit hours
- THE 383 - Lighting Design, 3 credit hours
- THE 385 - Costume Design, 3 credit hours

Acting students take:

- THE 135 - Singing for Actors, 2 credit hours

Directing students take:

- THE 285 - Stage Management, 2 credit hours

Additional Requirement

In addition, Acting and Directing Track students must complete the following courses in Health and Physical Education:

- HPE 120W - Ballet I Practicum, 1 credit hour
- HPE 121W - Jazz I Practicum, 1 credit hour

Theatre: Dance/Movement, B.A.

Required Courses: **51** hours total

- THE 100 - Introduction To Theatre, 3 credit hours
- THE 150 - Makeup for the Stage, 1 credit hour
- THE 160 - Acting I, 3 credit hours
- THE 162 - Backstage Experience, 1-2 credit hours (2 credit hours required)
- THE 180 - Stagecraft, 3 credit hours
- THE 190 - Script Analysis, 3 credit hours
- THE 270 - Collaborative Studies in Theatre, 3 credit hours
- THE 285 - Stage Management, 2 credit hours
- THE 383 - Lighting Design, 3 credit hours
- THE 385 - Costume Design, 3 credit hours
- DAN 201 - Injury Prevention and Health in the Performing Arts, 3 credit hours
- HPE 120W - Ballet I Practicum, 1 credit hour
- DAN 220 - Ballet II Practicum, 1 credit hour
- DAN 320 - Ballet III Practicum, 1 credit hour
- DAN 420 - Ballet IV Practicum, 1 credit hour
- HPE 121W - Jazz I Practicum, 1 credit hour
- DAN 221 - Jazz II Practicum, 1 credit hour
- HPE 122W - Modern I Practicum, 1 credit hour
- DAN 222 - Modern II Practicum, 1 credit hour
- HPE 123W - Tap I Practicum, 1 credit hour
- DAN 324 - Hip Hop I, 1 credit hour
- DAN 331 - Improvisation & Choreography, 3 credit hours
- DAN 332 - Introduction to Teaching Dance/Movement, 2 credit hours
- AMG 102 - Introduction to Arts Management, 3 credit hours
- BIO 203 - Human Anatomy and Physiology I, 4 credit hours

Students following this track/major cannot also be a Dance Minor.

Theatre: Design and Technical, B.A.

Minimum credits required: **41** (plus prerequisites as indicated)

Required courses

Common Courses: 22 hours total

- THE 100 - Introduction To Theatre, 3 credit hours
- THE 151 - Introduction to Acting, 2 credit hours
- THE 162 - Backstage Experience, 1-2 credit hours
- THE 180 - Stagecraft, 3 credit hours
- THE 190 - Script Analysis, 3 credit hours
- THE 270 - Collaborative Studies in Theatre, 3 credit hours
- THE 288I - Theatre History I, 3 credit hours
- THE 289I - Theatre History II, 3 credit hours

Design and Technical Studies Track: 19-20 hours total

- THE 220 - Rendering Techniques, 3 credit hours
- THE 251 - Portfolio Presentation, 2 credit hours
- THE 382 - Scenic Design, 3 credit hours
- THE 383 - Lighting Design, 3 credit hours
- THE 385 - Costume Design, 3 credit hours

Scenic/Lighting Design and Technical students take:

- THE 240 - Vectorworks, 3 credit hours
- THE 480 - Advanced Stagecraft, 3 credit hours

Costume Design students take:

- THE 375 - Costume Construction I, 2 credit hours
- THE 475 - Costume Construction II, 3 credit hours

Additional Requirement

In addition, Design and Technical Studies Track students must complete the Studio Art Minor (18 hours).

Theatre: Stage Management, B.A.

Minimum credits required: 41 (plus prerequisites as indicated)

Required courses

Common Courses: 22 hours total

- THE 100 - Introduction To Theatre, 3 credit hours
- THE 151 - Introduction to Acting, 2 credit hours
- THE 162 - Backstage Experience, 1-2 credit hours
- THE 180 - Stagecraft, 3 credit hours
- THE 190 - Script Analysis, 3 credit hours
- THE 270 - Collaborative Studies in Theatre, 3 credit hours
- THE 288I - Theatre History I, 3 credit hours
- THE 289I - Theatre History II, 3 credit hours

Stage Management Track: 19 hours total

- CAS 207 - Group Communication and Leadership, 3 credit hours
- THE 285 - Stage Management, 2 credit hours
- THE 286 - Theatre Management, 2 credit hours
- THE 382 - Scenic Design, 3 credit hours
- THE 383 - Lighting Design, 3 credit hours
- THE 390 - Directing, 3 credit hours
- THE 485 - Advanced Stage Management, 3 credit hours

Additional Requirement

In addition, Stage Management Track students must complete the Arts Management Minor (26 hours).

Minors

Dance Minor

Minimum credits required: 23

Required courses

- DAN 201 - Injury Prevention and Health in the Performing Arts, 3 credit hours
- HPE 120W - Ballet I Practicum, 1 credit hour
- HPE 121W - Jazz I Practicum, 1 credit hour
- HPE 122W - Modern I Practicum, 1 credit hour
- HPE 123W - Tap I Practicum, 1 credit hour
- THE 162 - Backstage Experience, 1-2 credit hours
- DAN 214I - Dance History, 3 credit hours
- DAN 220 - Ballet II Practicum, 1 credit hour
- DAN 320 - Ballet III Practicum, 1 credit hour
- DAN 331 - Improvisation & Choreography, 3 credit hours
- DAN 332 - Introduction to Teaching Dance/Movement, 2 credit hours

In addition, choose a minimum of 5 semester credits from the following technique courses:

- DAN 221 - Jazz II Practicum, 1 credit hour
- DAN 222 - Modern II Practicum, 1 credit hour
- DAN 223 - Tap II Practicum, 1 credit hour
- DAN 321 - Jazz III Practicum, 1 credit hour
- DAN 323 - Tap III Practicum, 1 credit hour
- DAN 324 - Hip Hop I, 1 credit hour
- DAN 325 - Pointe I, 1 credit hour
- DAN 420 - Ballet IV Practicum, 1 credit hour
- DAN 421 - Jazz IV Practicum, 1 credit hour
- DAN 423 - Tap IV Practicum, 1 credit hour
- DAN 424 - Hip Hop II, 1 credit hour
- DAN 425 - Pointe II, 1 credit hour

Additional Requirement

Participation is required in the yearly dance concerts as a choreographer, performer or backstage crew. Students should register for DAN 070 - Internship, Credit hours to be arranged/Field Experience.

Recommended:

- DAN 050 - Independent Study, Credit hours to be arranged
- DAN 070 - Internship, Credit hours to be arranged
- DAN 263 - Seminar, 2-4 credit hours

Theatre Minor

Minimum credits required: **21**

Requirements:

- THE 100 - Introduction To Theatre, 3 credit hours
- THE 162 - Backstage Experience, 1-2 credit hours (2 hours)
- THE 151 - Introduction to Acting, 2 credit hours
- THE 190 - Script Analysis, 3 credit hours
- THE 270 - Collaborative Studies in Theatre, 3 credit hours

Choose:

- THE 285 - Stage Management, 2 credit hours
OR
- THE 286 - Theatre Management, 2 credit hours
- THE 288I - Theatre History I, 3 credit hours
OR
- THE 289I - Theatre History II, 3 credit hours

Choose one course from the following:

- THE 382 - Scenic Design, 3 credit hours
- THE 383 - Lighting Design, 3 credit hours
- THE 385 - Costume Design, 3 credit hours

Urban Studies

Minors

Urban Studies Minor

Students must earn a minimum of **18** credit hours distributed among the following requirements to complete the Urban Studies minor.

Foundation Courses:

Take at least two of the following courses

- ECN 356D - Urban & Regional Economics, 3 credit hours
- POL 304D - Urban Policy and Politics, 3 credit hours
- SOC 303IX - Urban Community Life, 4 credit hours

Foundation Diversity Courses:

Take at least one of the following courses

- CAS 285D - Introduction to Intercultural Communication, 3 credit hours
- PSY 245D - Multicultural Psychology, 3-4 credit hours
- SOC 302I - Racial and Cultural Minorities, 3 credit hours

Electives:

Take at least three of the following courses

- CAS 120 - Strategies in Public Relations, 3 credit hours
- CAS 277D - Media and Diversity, 3 credit hours
- ECN 110 - Economics of Social Issues, 1-3 credit hours
- PHT 170 - Introduction to Public Health, 3 credit hours
- HPE 222W - Community Health, 3 credit hours
- HPE 270 - Principles of Health Promotion, 3 credit hours
- PHT 370 - Health Policy & Public Health, 3 credit hours
- PHT 375X - Health and Social Justice, 3 credit hours
- POL 101D - U.S. Government and Politics, 4 credit hours
- POL 202 - Major Policy Issues, 1-3 credit hours
- POL 441X - Public Interest Research, 4 credit hours
- SOC 181I - Cultural Anthropology, 3 credit hours
- SOC 201D - Social Problems, 4 credit hours
- SOC 301D - Social Inequalities, 3 credit hours
- SOC 330D - Protests, Movements and Social Change, 3 credit hours
- UST 050 - Independent Study, Credit hours to be arranged
- UST 070 - Internship, Credit hours to be arranged

Certificate Programs

The certificate programs at Baldwin Wallace University provide individuals the opportunity to develop a set of skills in a professional area, in a relatively short period of time, without enrolling in a total University degree program. Students who already have a University degree may enroll in this program. All courses offered in the BW Certificate Program are University-level credit courses.

The courses also appear on an official transcript and may be used toward graduation credits should the student decide to pursue a University degree.

Eligibility for Admission

Students applying for admission to a Certificate Program at BW must meet the admissions standards required of all students. No admission tests are required but certificate program candidates must complete the application procedures for admission to the University, which includes submission of transcripts from any other colleges or universities attended. Depending on the certificate program, some transfer courses may apply to certificate requirements. Both degree and non-degree seeking BW students are eligible to pursue a certificate program.

Note: Concerning all certificate programs, it is recommended that students consult with an academic advisor prior to enrolling in coursework to discuss the specific course requirements to earn the certificate. In order to receive the certificate upon completion of coursework, a student must fill out a Certificate Program Declaration Form before the last semester of attendance. The form can be found through the MyBW portal, under Academic Life, on the Registration & Records page.

Certificates

English as a Second Language Learner Certificate

The program is designed to prepare participants to work with individuals whose native language is not English and is open to both education majors and non-education majors. Education majors, at all levels, will be better prepared to work with students in their classes whose first language is not English. Non-education majors will prepare to work along-side speakers of other languages and to help them acquire more proficiency in English. The certificate requires four courses: EDU 211D - Exploring Education in a Diverse Society, 3 credit hours ; HUM 285I - Intercultural Communication, 3 credit hours ; EDU 315 - Second Language Acquisition & Pedagogy for the English Language Learner, 3 credit hours ; and EDU 316 - Assessment & Evaluation Tools for the ESL Classroom, 3 credit hours . EDU 315 and EDU 316 both require field experiences.

* The certificate is not a teaching license or endorsement in the state of Ohio.

Required Courses:

- HUM 285I - Intercultural Communication, 3 credit hours
- EDU 211D - Exploring Education in a Diverse Society, 3 credit hours
- EDU 315 - Second Language Acquisition & Pedagogy for the English Language Learner, 3 credit hours
- EDU 316 - Assessment & Evaluation Tools for the ESL Classroom, 3 credit hours

Human Resource Management Certificate

The Certificate Program in Human Resource Management requires six University courses for a total of 18-19 semester credit hours. More than one half of the coursework must be completed at Baldwin Wallace University. Knowledge areas include organizational structure, organizational behavior, the competitive environment, human resource planning, selecting, compensating, appraising, training, developing, and the legal framework under which all of the human resource activities must occur. Skills fostered include critical thinking, analysis, and evaluation set

within the framework of both the internal requirements of the organization and the external pressures of the environment.

Required Courses (9 credit hours):

- BUS 305 - Introduction to Management, 3 credit hours
- BUS 329 - Business Ethics, 3 credit hours
- BUS 410 - Human Resource Management, 3 credit hours

Choice of 3 electives (9 credit hours):

- BUS 409D - Behavioral Theories of Management, 3 credit hours
- BUS 411 - Compensation, 3 credit hours
- BUS 412 - Employment Law, 3 credit hours
- BUS 413(X) - Staffing and Development, 3 credit hours

Public History Certificate

The Certificate in Public History is intended for students who already have or are currently pursuing academic majors or minors in history, art history, archeology, or anthropology and who intend careers in public history. The certificate assumes that the student has already mastered the content necessary to work in public history but wants to acquire skills to function more effectively as a presenter of history to the public.

Students may enroll as non-degree students and complete the certificate without having to take the requirements for the Bachelor's Degree. **The prerequisite for non-degree admission is an academic major, minor, or 15 hours of coursework in History, Art History, Anthropology, or Archeology.**

Minimum credits required: **19-22**

Required Courses:

- HIS 461 - Historiography, 3 credit hours
- PBH 470X - Public History Internship, Credit hours to be arranged
OR
- Historical Resource Management Internship (180 clock hours), 4 credit hours

Electives in Public History: (Choose two of the following)

- PBH 100 - Introduction to Public History, 2 credit hours
- PBH 200X - Introduction to Archives and Museums, 3 credit hours
- PBH 300 - Research in Community History, 3 credit hours
- PBH 350 - Oral History Practicum, 3 credit hours

Electives in Writing for the Public: (Choose one of the following)

- CAS 345 - External Public Relations Writing, 3 credit hours
- ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours
- ENG 309SX - Grant Writing, 3 credit hours

Electives in Media for Public History: (Choose two of the following)

- ART 220 - Digital Photography, 2 credit hours
- ART 225 - Introduction to Photoshop, 2 credit hours
- CAS 112 - Presentational Speaking, 3 credit hours
- CAS 415 - Studies in Public Relations, 3 credit hours

- CSC 135 - Introduction to Web Site Development, 3 credit hours
- CSC 141 - Advanced Applications for Information Analysis, 3 credit hours

Sustainability Certificate

The “certificate in sustainability” exposes students to various disciplines, forms of knowledge, and skill sets important to a broad understanding of issues important to the emergent field and movement called “sustainability”.

The certificate requires successful completion of six University courses, for a total of 18-19 semester hour credits.

Sciences: (Take at least two of the following)

- GEO 1211 - Physical Geography, 4 credit hours
- BIO 110 - Biology for the Citizen, 4 credit hours
- CHM 281 - Environmental Chemistry, 3 credit hours /with CHM 285

Liberal Arts: (Take at least two of the following)

- ECN 358 - Environmental Economics, 3 credit hours
- PHL 273I - Environmental Ethics, 3 credit hours
- POL 205 - Environmental Politics, 3 credit hours

Business: (Take at least one of the following)

- BUS 305 - Introduction to Management, 3 credit hours
- BUS 329 - Business Ethics, 3 credit hours
- BUS 360I - Political & Social Responsibility of Multinational Corporation, 3 credit hours

Additional Requirement

Take one additional course from those listed above. If student decides to take more than one business course they cannot take BUS 329 and BUS 360I.

Graduate Program Requirements

Master of Arts in Education

The Master of Arts in Education (M.A.Ed.) program at Baldwin Wallace University is designed to stimulate and guide educators toward professional competency and intellectual maturity. The non-thesis program requires 31–44 semester hours of study. The K-12 M.A.Ed. specializations include **Literacy, Mild/Moderate Educational Needs, Educational Technology, and School Leadership**. Literacy and Educational Technology can lead to Ohio endorsements. Mild/Moderate Educational Needs and School Leadership can lead to licensure. Successful completion of Ohio Assessments for Educator exams is required for licensure and endorsement eligibility with the exception of Educational Technology.

Depending on the program, the K-12 M.A.Ed. program is offered in two formats: traditional, on-campus study; and online. An option can be available for a cohort in a specific program in K-12 settings.

Programs for the Master of Arts in Education curriculum for teachers include a specialization and an Advanced Practice Minor. Candidates acquire a deep understanding and advanced skills in their area of specialization. Degree candidates also earn an Advanced Practice minor that broadens their preparation and allows for an additional teaching focus. Students who are not completing a master's degree do not complete a minor.

The M.A.Ed. program also includes a specialization for college and university leadership preparation through the **Leadership in Higher Education (LHE)** program. The LHE program may be completed in a full-time format and is offered for part-time study to individuals who are employed in college or university settings.

Attributes (K-12)

The teacher education curriculum is arranged conceptually around six teacher/educator attributes: content knowledge, professional knowledge, pedagogical knowledge, diversity, educational technology, and professional dispositions. These six attributes comprise a conceptual framework for guiding the academic experiences of all students.

Academic Policies and Information

Academic Calendar (K-12)

Online and in-person courses are offered fall and spring semesters and during two summer sessions. Campus classes are scheduled in the evening during fall, spring, and summer I. In the summer II session, classes meet during the day.

Accreditation (K-12)

The teacher preparation programs at Baldwin Wallace University are accredited by the National Council for Accreditation of Teacher Education (NCATE; Now CAEP, The Council for Accreditation of Educator Preparation). This accreditation includes both undergraduate and graduate programs leading to initial or advanced teacher licensure or endorsement in the state of Ohio. The accreditation does not include individual education courses that the institution offers to P-12 educators for professional development, re-licensure, or other purposes. Baldwin Wallace University is also approved by the American Chemical Association and has been approved by the Association of American Universities since 1931. The University is a member of the Association of American Colleges, the American Council on Education, and the American Association of Colleges of Teacher Education. The graduate program in education was approved by the Ohio Board of Regents in May 1974 and was initiated in January 1975.

Admission Requirements

Although each applicant for admission to the graduate program in education will be judged on individual merit, requirements include the following:

1. A bachelor's degree from an accredited college or university.
2. A valid teaching certificate/license. This is not required of License + Master's, Leadership in Higher Education or Educational Technology applicants.
3. An undergraduate cumulative grade point average of 3.0 (on a four point scale) in the last two years (60 semester hours) of study.
4. Two letters of recommendation (one for school partnership candidates) from former professors, principals, supervisors, or other persons qualified to estimate the applicant's ability to successfully complete graduate study in education.

Applicants with less than a 3.0 GPA, but not lower than 2.75 may be considered for admission based on the basis of an acceptable score on the Miller's Analogies Test (MAT).

Conditional admission may be extended to an applicant who does not meet these requirements but demonstrates exceptional potential as a graduate student. Conditional admission includes the stipulation to maintain a 3.0 cumulative grade point average for 6 credit hours in order to continue as a degree candidate in the program.

Applicants who do not successfully pass the (MAT) may petition to resubmit test scores after a lapse of one year.

Faculty members of the School of Education and/or others associated with the admissions procedure reserve the right to require an applicant, regardless of grade point average, to take the Miller's Analogies Test.

An applicant who already holds a master's degree—in education or in a teaching field—from an accredited college or university will have his/her application reviewed based on the graduate degree work only.

All admissions will be made through the Admission Office with guidance on specific programs from the Director of Admissions and the Director of K-12 Master's Programs.

Admission as a Non-Degree (Special) Student (K-12)

An applicant may be accepted for certain designated courses with evidence of a bachelor's degree. This non-degree (special) classification may be retained provided the student's work meets the standards of the regular graduate program. The non-degree student desiring to become a degree seeking student must meet admission requirements.

Code of Ethical and Professional Behavior

1. Baldwin Wallace University candidates in education are active, enthusiastic, and engaged members of the learning community.
2. Baldwin Wallace University candidates in education are reflective learners who engage in self-reflection and are open to and thoughtful about feedback from others.
3. Baldwin Wallace University candidates in education are respectful to other students, BW faculty and staff, school personnel, and parents and children in schools.
4. Baldwin Wallace University candidates in education demonstrate a level of responsibility appropriate for a professional.
5. Baldwin Wallace University candidates in education exhibit academic honesty.
6. Baldwin Wallace University candidates in education are dedicated to the profession and committed to continuous learning and professional development.
7. Baldwin Wallace University candidates in education value and respect people from diverse groups and with varied talents and perspectives.

The Degree

Degree Completion

The program can be completed in as little as two years of part-time study. Licenses and endorsements may be completed in less time.

Degree Requirements

The M.A.Ed. program is a non-thesis program for teachers requiring 31–44 semester hours to complete. All programs require either a capstone, internship, or practicum. See the M.A.Ed. Program of Studies information for requirements in each specific specialization.

Email Account

All students should activate their Baldwin Wallace email account and regularly review email messages. This is the main source of communication between students and the School of Education. Newsletters and other important program information will be sent via BW email. Questions regarding set-up or use of your email account may be forwarded to the Information Technology Help Desk at 440-826-7000.

Grading System

At the conclusion of each course, letter grades are assigned to the student for the course work. Grades assigned are: A, B, C, F, I, T and W. Each grade has the following value in quality points: A, four; B, three; C, two; and F, zero. The "I" or incomplete grade is used when a student has been unavoidably delayed in finishing course work. This work must then be completed prior to the end of the 6th week of the subsequent semester. An "I" will be changed to an "F" if the work is not completed in that timeframe. The "T" or temporary non-credit grade indicates that work in the course is continuing and is thus far satisfactory. The "W" is a withdrawal which earns no quality points.

A candidate who ceases to attend classes, but who does not officially withdraw, will receive a grade of "F" at the end of the semester. Withdrawal after the 9th week may be authorized by the Director of K-12 MAEd Programs and the Registrar only in cases of prolonged illness, change in employment, or other circumstances beyond the student's control. In such a case, a written petition must be sent to the Director or the Registrar within one week after the last day of class attendance.

Continuation in the M.A.Ed. Program

Standards for Continuation and Completion of All Advanced Programs

All candidates enrolled in advanced programs must meet the following standards for continuation and completion of programs.

Transition points

Point one: Admission to the M.A.Ed. program. See catalog for admission requirements.

Point two: All candidates in advanced programs must earn a cumulative GPA of 3.0 upon completion of 12 hours of graduate study.

Point three: Candidates must have earned a cumulative GPA of 3.0 to qualify for graduation. They must also have a 3.0 cumulative GPA to meet eligibility requirements for State of Ohio endorsement or licensure. **Note:** Field experiences, practica, and internships may have additional eligibility requirements. See program sections for these prerequisites.

Dismissal Based on Academic Performance: A candidate will be dismissed from the program for either of the following:

1. Failure to meet the above standards for any transition point or
2. Earning a grade of "F" in a graduate course.

Appeal of Dismissal

If a dismissed candidate wishes to be considered for continuation in the program, he/she must appeal to the Dean of the School of Education. An appeal consists of a formal letter addressed to the Dean indicating the reason(s) for consideration of a return to the program. Appeal letters must be submitted within 12 months following dismissal from the program. The appeal is reviewed by a M.A.Ed. Faculty Committee. No further coursework may be taken until the appeal has been processed and a decision regarding re-entry to the program has been made. If the appeal is

granted, the candidate has one (1) semester to achieve a 3.0 GPA, or satisfy the conditions specified by the Appeals Committee, in which case the dismissal status is removed and the candidate returns to candidacy status.

General Appeal Process

Any candidate has the right to request a review of a decision made regarding his/her academic program. In the event that the concern is with a faculty member, the candidate must first contact said individual. If the candidate does not feel that the problem has been resolved, he/she may appeal to the Dean of the School of Education. Following this action, should the candidate still feel that the matter is unresolved, he or she may appeal to the Office of the Provost. Candidates are strongly encouraged to contact their academic advisors for guidance and support in these matters.

Attendance

Each instructor is asked to have a clearly stated attendance policy included in each course syllabus. However, in the absence of this policy, the University policy will prevail. Instructors are not required to excuse absences in excess of ten percent of class meetings.

Graduation Requirements

The candidate for the Master of Arts in Education degree (M.A.Ed.) is expected to meet the following degree requirements for graduation:

1. Successful completion of the program coursework as outlined with a minimum of 31-42 credit hours
2. A 3.0 cumulative grade point average in total work completed while registered in the Master of Arts in Education program
3. Completion of all degree requirements within a six-year period from the date of initial enrollment in School of Education graduate courses

School Partnership Program (K-12)

Baldwin Wallace University has a partnership agreement with over 200 schools/districts which provides significant benefits to teachers in those districts including lower tuition costs, small class sizes both onsite or on campus and a simplified application process.

See the BW website for a current list of partnership school districts.

Information is available about how a school district may join the School Partnership Program by contacting the Director of K-12 MAEd Programs at 440-826-8582.

Time Limits

Candidates must complete degree requirements within the six-year maximum limit.

All degree work in School Leadership, Mild/Moderate Educational Needs, Leadership in Technology, Literacy, and Leadership in Higher Education must be completed within six years of initial enrollment in graduate, degree-eligible courses at BW.

All program coursework in Leadership in Technology must be completed within 3 years of initial enrollment or additional coursework/testing may be required.

Applications for licensure/endorsement must be submitted to the Ohio Department of Education within 12 months of your program/degree completion date or additional coursework/testing may be required.

Extensions of the six-year limit will be considered upon petition to the Director of K-12 MAEd Programs. The petition should include reasons for needing additional time and indicate a proposed completion date—not to exceed one year extension.

Transfer Policy

Credits transferred for application toward the Master of Arts in Education degree are subject to the following conditions:

1. No more than nine semester hours of course work may be transferred as equivalents to the M.A.Ed. requirements.
2. Credits to be transferred may not have been used to fulfill requirements for another degree.
3. Credits to be transferred must have been recorded as graduate credit, applicable toward degree eligibility at the granting institution; the granting institution must be fully accredited for graduate studies.
4. Credits to be transferred must have been earned within a six-year period immediately preceding the student's initial graduate course work at Baldwin Wallace University.
5. Grades must be a "B" or better for courses to transfer to the M.A.Ed. program. Candidates must complete a Request for Transfer form and submit it to the Director of K-12 MAEd Programs along with original transcripts, course descriptions, and course syllabi or outlines.
6. No more than six hours may be transferred toward an Advanced Practice minor.

State License Examination (K-12)

The State Board of Education of Ohio requires the Ohio Assessment for Educators Examinations for all candidates seeking licensure at any level. License+Master's candidates will not be recommended for licensure until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree. Candidates are strongly encouraged to take exams as soon as possible following completion of the program and apply for license/endorsement within the stated time limits. Baldwin Wallace has a Licensure Specialist to assist students with questions about licensure application.

Tuition and Fees

A non-refundable, non-transferable application fee is required at the time of application. The Master of Arts in Education program is fully approved for veterans' educational benefits. Please refer to the Baldwin Wallace University posted charges for tuition information.

Payment of tuition must be made prior to the first day of each semester, even if you are receiving tuition benefits from your employer for which you will be reimbursed at a later date. Special payment arrangements must be made with the approval of the Bursar. Transcripts, grades and other official certifications will not be released for students whose accounts are not paid. Financial holds on registration are placed if an account has a balance. Financial aid in the form of Guaranteed Student Loans is available to graduate students.

Refund Policy

Candidates who withdraw from a course will receive a refund of their tuition payment in accordance with the standard published refund table.

Students with Disabilities

The Office of Disability Services at Baldwin Wallace University exists to provide support to students with special needs. Please contact them if you anticipate seeking any accommodations related to your disability while you are at Baldwin Wallace.

Baldwin Wallace University endeavors to provide reasonable accommodations for every student who has a documented disability.

Workshop Admission

An applicant may be accepted for graduate professional development workshops with evidence of teaching experience and a bachelor's degree. An unlimited number of workshops may be taken. However, workshop credit

may not be applied towards the master's degree. Online professional development workshops are available. See BW website for additional information.

License+Master's Program

The License+Master's program is a licensure program for candidates with a degree, but no license. To be admitted to the License+Master's program candidates must hold a cumulative grade point average of 3.0 in the final 60 hours of their undergraduate degree.

As a general rule the bachelor's degree from an accredited 4-year institution of higher education fulfills the general education requirements. To obtain licensure, the student must complete required undergraduate professional education courses, teaching field courses, student teaching, and may replace graduate courses for some of the undergraduate professional education courses.

Upon completion of all requirements, the student earns an initial license, a master's degree, and applicable endorsement or license in the master's specialization. The candidate will not be recommended for initial licensure until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Program sheets delineating the requirements for each License+Master's program may be obtained on the BW website. The following are the License+Master's programs available at Baldwin Wallace University:

- Early Childhood Education License (Pre-K through grade 3) with Reading Endorsement (K-12).
- Early Childhood Education License (Pre-K through grade 3) with Mild/Moderate Educational Needs License (K-12).
- Early Childhood Education License (Pre-K through grade 3) with Educational Technology Endorsement (K-12).
- Option for Early Childhood Generalist Endorsement (grades 4-5)
- Middle Childhood Education (grades 4-9) with Reading Endorsement (K-12).
- Middle Childhood Education (grades 4-9) with Mild/Moderate Educational Needs License (K-12).
- Middle Childhood Education (grades 4-9) with Educational Technology Endorsement (K-12).
- Option for Middle Childhood Generalist (grades 4-6)
- Adolescent Young Adult Education (grades 7 -12) License with Reading Endorsement (K-12).
- Adolescent Young Adult Education (grades 7 -12) License with Mild/Moderate Educational Needs License (K-12).
- Adolescent Young Adult Education (grades 7 -12) License with Educational Technology Endorsement (K-12).
- Multi-Age License (grades PK-12) with Reading Endorsement (K-12).
- Multi-Age License (grades PK-12) with Mild/Moderate Educational Needs License (K-12).
- Multi-Age License (grades PK-12) with Educational Technology Endorsement (K-12).
- Intervention Specialist License - Mild/Moderate Educational Needs License (K-12).

Master of Arts in Education Programs

Curriculum for Teachers

Programs for the Master of Arts in Education, curriculum for teachers, include a specialization and an Advanced Practice Minor. Candidates acquire a deep understanding and advanced skills in their area of specialization. Degree candidates also earn an Advanced Practice Minor that broadens their preparation and allows for an additional teaching focus. Students who are not completing a master's degree do not complete a minor.

Leadership in Technology for Teaching & Learning, M.A.Ed.

The Educational Technology in Teaching and Learning specialization, when completed with the MAEd Degree, requires the following 12 hours:

- EDU 511 - Using Evidence, Research, and Data in Education, 3 credit hours
- Advanced Practice Minor, 9 credit hours

Degree candidates earn an Advanced Practice Minor that broadens their preparation and allows for an additional teaching focus. Advanced Practice Minors, for Educational Technology in Teaching and Learning, can be earned the following ways:

Advanced Practice Minor	Select three courses from *
Special Education	EDU 573, 574, 575, 576, 577, 594
Literacy	EDU 541, 542, 543, 544, 545, 546, 547
Leadership	EDU 580, 581, 582, 583, 584, 585, 588
Individualized	3 selected courses to meet individual learning needs

* Course Pre-reqs apply

Educational Technology Specialization Requirements: 22 credits

- EDU 514 - Instructional Technology Tools & Resources, 3 credit hours
- EDU 515 - Digital Media & Project-Based Learning, 3 credit hours
- EDU 516 - Instructional Design & Technology Integration, 3 credit hours
- EDU 517 - Teacher Leadership: Technology Planning & Implementation, 3 credit hours
- EDU 518 - Online Teaching & Learning, 3 credit hours
- EDU 520 - Issues & Trends in Educational Technology, 3 credit hours
- EDU 525 - Tech-Integration Field Experience I, 1 credit hour
- EDU 526 - Leadership Field Experience II, 2 credit hours
- EDU 530 - Capstone for Leadership in Technology, 1 credit hour

Literacy, M.A.Ed.

The Literacy specialization, when completed with the MAEd degree, requires the following 15 hours:

- EDU 511 - Using Evidence, Research, and Data in Education, 3 credit hours
- EDU 546 - Child and Adolescent Literature, 3 credit hours
- Advanced Practice Minor, 9 credit hours

Degree candidates earn an Advanced Practice minor that broadens their preparation and allows for an additional teaching focus. Advanced Practice Minors, for Literacy, can be earned the following ways:

Advanced Practice Minor	Select three courses from *
Technology Integration	EDU 514, 515, 516, 517, 518
Special Education	EDU 573, 574, 575, 576, 577, 594
Leadership	EDU 580, 581, 582, 583, 584, 585, 588
Individualized	3 selected courses to meet individual learning needs

* Course Pre-reqs apply

Literacy Specialization Requirements*: 16 credits

- EDU 541 - Foundations of Reading & Language Arts, 3 credit hours
 - EDU 542 - Teaching Reading in the Content Area, 3 credit hours
 - EDU 543 - Diagnostic and Corrective Reading Methods, 3 credit hours
 - EDU 544 - Practicum in Reading, 3 credit hours
 - EDU 545 - Research in Literacy Education, 3 credit hours
 - EDU 547 - Practicum in AYA Literacy, 1 credit hour
- *Pre-Requisite for the Literacy specialization:** Completion of the Ohio Reading Core, 9-12 credit hours

Mild/Moderate Educational Needs, M.A.Ed.

The Mild/Moderate specialization, when completed with the MAEd Degree, requires the following 12 hours:

- EDU 511 - Using Evidence, Research, and Data in Education, 3 credit hours
- Advanced Practice Minor, 9 credit hours

Degree candidates earn an Advanced Practice minor that broadens their preparation and allows for an additional teaching focus. Advanced Practice Minors, for Mild/Moderate, can be earned the following ways:

Advanced Practice Minor	Select three courses from *
Technology Integration	EDU 514, 515, 516, 517, 518
Literacy	EDU 541, 542, 543, 544, 545, 546, 547
Leadership	EDU 580, 581, 582, 583, 584, 585, 588
Individualized	3 selected courses to meet individual learning needs

* Course Pre-reqs apply

Mild/Moderate Educational Needs Specialization Requirements: 25-26 credits

- EDU 563 - Advanced Topics in Special Education, 3 credit hours
- EDU 573 - Education of Children with Special Needs, 3 credit hours
- EDU 574 - Introduction to Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 575 - Professional Collaboration and Transition Development, 3 credit hours
- EDU 576 - Classroom Management for Students with Mild/Moderate Educational Needs, 3 credit hours
- EDU 577 - Assessment for Students with Mild/Moderate Educational Needs, 3 credit hours

- EDU 578 - Clinical Practice in Mild/Moderate Education, 5 credit hours
- OR
- EDU 579 - Practicum in Mild/Moderate Educational Needs, 4 credit hours

- EDU 594 - Remediation Across the Curriculum, 3 credit hours

Also required in Mild/Moderate for the Intervention Specialist License in Ohio

- The Ohio-mandated, 12 semester hour Reading Core

School Leadership, M.A.Ed.

The School Leadership specialization, when completed with the MAEd Degree, requires the following 12 hours:

- EDU 511 - Using Evidence, Research, and Data in Education, 3 credit hours
- Advanced Practice Minor, 9 credit hours

Degree candidates earn an Advanced Practice minor that broadens their preparation and allows for an additional teaching focus. Advanced Practice Minors, for School Leadership, can be earned the following ways:

Advanced Practice Minor	Select three courses from *
Technology Integration	EDU 514, 515, 516, 517, 518
Special Education	EDU 573, 574, 575, 576, 577, 594
Literacy	EDU 541, 542, 543, 544, 545, 546, 547
Individualized	3 selected courses to meet individual learning needs

* Course Pre-reqs apply

School Leadership Specialization Requirements: 30 credits

- EDU 580 - Intro to School Leadership, 3 credit hours
- EDU 581 - Teaching & Learning, 3 credit hours
- EDU 582 - Staff Evaluation & Professional Development, 3 credit hours
- EDU 583 - Continuous Improvement Planning, 3 credit hours
- EDU 584 - Pupil Services & Community Resources, 3 credit hours
- EDU 585 - Legal & Ethical Issues, 3 credit hours
- EDU 586 - School Leadership Internship I, 3 credit hours
- EDU 587 - School Leadership Internship II, 3 credit hours
- EDU 588 - Management of Resources, 3 credit hours
- EDU 589 - Contemporary Issues for School Leaders, 3 credit hours

Science Teaching, M.A.Ed.

Curriculum

Foundation

- EDU 101X - Introduction to Education and Teaching, 3 credit hours
- EDU 103DX - Education of Children with Special Needs, 2 credit hours

Requirements

- EDU 512 - Psychological Foundations, 3 credit hours
- EDU 514 - Instructional Technology Tools & Resources, 3 credit hours
- EDU 542 - Teaching Reading in the Content Area, 3 credit hours
- EDU 596 - Culturally Responsive Curriculum & Instruct., 3 credit hours
- EDU 531 - Integrative Seminar, 1 credit hour (repeated 3 times)
- EDU 532 - Assessment and Data Literacy, 3 credit hours
- EDU 533 - Teaching Strategies & Management Skills, 3 credit hours
- EDU 534 - Methods in AYA Science Teaching, 3 credit hours

- EDU 535 - Clinical Practice in AYA Education, 6 credit hours
- EDU 536 - Internship in Science Industry, 6 credit hours

Leadership in Higher Education, M.A.Ed.

The Leadership in Higher Education Program (LHE) is designed to prepare transformative higher education leaders in Student Affairs and Academic Affairs. This non-thesis program requires a total of 46 credits, of which 30 credits are coursework and 16 are internship. Enrollment in the program is offered on a part-time and full-time basis. Part-time students must be employed fulltime in higher education settings, where they will complete their internship. Full-time students complete internships on the Baldwin Wallace or partner campuses. Internship approval is required before full-time or part-time admission to the program.

LHE Curriculum

I. Foundational Core: 9 credits

- EDU 511 - Using Evidence, Research, and Data in Education, 3 credit hours
- EDU 560 - History/Philosophy of Higher Education, 3 credit hours
- EDU 561 - Student & Adult Development in Higher Education Practice, 3 credit hours

II. Professional Specialization: 34 credits

- EDU 558 - Public Policy Dimensions of Higher Education, 3 credit hours
- EDU 562 - Funding and Finance in Higher Education, 3 credit hours
- EDU 564 - Ethical Leadership in Higher Education, 3 credit hours
- EDU 566 - Diversity in Higher Education, 3 credit hours
- EDU 569 - Counseling Theory and Practice, 3 credit hours
- EDU 521 - Leadership in Higher Educ Internship I, 3 credit hours
- EDU 522 - Leadership in Higher Educ Internship II, 3 credit hours
- EDU 523 - Leadership in Higher Educ Internship III, 3 credit hours
- EDU 524 - Leadership in Higher Educ Internship IV, 3 credit hours
- EDU 501 - LHE Integrative Seminar I, 1 credit hour
- EDU 502 - LHE Integrative Seminar II, 1 credit hour
- EDU 503 - LHE Integrative Seminar III, 1 credit hour
- EDU 504 - LHE Integrative Seminar IV, 1 credit hour
- EDU 570 - Capstone Seminar/ Portfolio Development, 1 credit hour

Two credit hours from:

- EDU 571 - Practicum in Student Affairs, 1 credit hour
AND/OR
- EDU 572 - Practicum in Academic Affairs, 1 credit hour

III. LHE Electives: 3 credits (Choose one additional course. Prerequisites must be met.)

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 509 - Organizational Behavior, 3 credit hours
- BUS 613 - Staffing and Development, 3 credit hours
- EDU 514 - Instructional Technology Tools & Resources, 3 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- EDU 567 - Theory & Assessment of Educational Environ., 3 credit hours
- EDU 573 - Education of Children with Special Needs, 3 credit hours
- EDU 581 - Teaching & Learning, 3 credit hours

Master of Accountancy

Accounting, M.Acc.

Requirements:

- ACC 508 - Entity Taxation, 3 credit hours
- ACC 518 - Governmental and Nonprofit Accounting, 2 credit hours
- ACC 520 - Accounting Information Systems, 2 credit hours
- ACC 521 - Advanced Accounting, 3 credit hours
- ACC 568 - Financial Statement Analysis, 3 credit hours
- ACC 575 - Data Analysis for Accounting, 1 credit hour
- ACC 578 - Principles of Fraud Examination, 3 credit hours
- ACC 606 - Tax Theory, Research & Practice, 3 credit hours
- ACC 645 - Laws for Accountants, 4 credit hours
- ACC 690 - Accounting Capstone BEC/AUD, 3 credit hours
- ACC 695 - Accounting Capstone FAR/REG, 3 credit hours

Master of Arts in Management

Master of Arts in Management, M.A.M.

The Master of Art in Management program enables students to build on specialized knowledge they learned in their bachelor's program by acquiring the business fundamentals associated with a graduate degree in management, including accounting, finance, operations, marketing, management, law, economics, and strategic thinking. Students will layer these business competencies with their current skills as they develop an understanding of business operations. At the completion of the program, graduates will be ready to build a career in management in a variety of organizations including for-profit, non-profit, governmental or other businesses.

This is a one year (three semester) cohort program for recent graduates with majors other than business. Classes are held weekdays with a five-week break in the spring term to allow a fulltime internship experience. Students also participate in site visits to local organizations throughout the program. Designed for liberal-arts and sciences students, this program serves a diverse group with a variety of career aspirations. Students must have completed their undergraduate degree prior to the start of this program and have a cumulative GPA of 3.0.

Required Courses:

- MAM 591 - Master of Arts in Management Boot Camp, 1 credit hour (3 credit hours required)
- MAM 592 - The Accountant's Perspective, 2 credit hours (6 credit hours required)
- MAM 593 - The Finance Manager's Perspective, 2 credit hours (6 credit hours required)
- MAM 594 - The Economist's Perspective, 2 credit hours (6 credit hours required)
- MAM 595 - The Marketer's Perspective, 2 credit hours (6 credit hours required)
- MAM 596 - The Operations Manager's Perspective, 2 credit hours (6 credit hours required)
- MAM 597 - The Lawyer's Perspective, 2 credit hours (6 credit hours required)
- MAM 598 - The Manager's Perspective, 2 credit hours (6 credit hours required)
- MAM 599 - The Strategic Manager's Perspective, 2 credit hours (6 credit hours required)

Master of Business Administration

MBA classes are held on the Baldwin Wallace University campus in Berea, Ohio, and on-line via the Hybrid MBA Program. On-campus classes have adjacent parking available.

Requirements for Admission

The central concern of the admission process is to identify and select individuals who will be successful in the program. Therefore, all available relevant information concerning the candidate's background, including academic accomplishments, work experience and community involvement will be considered. All candidates are strongly encouraged to meet with the MBA Program Director as early as possible to discuss their interests and qualifications and the options available to them at Baldwin Wallace. The admission process includes the following:

- A Bachelor's degree in any field from an accredited institution and submission of official transcripts of all previous academic work. International student transcripts must be translated in English.
- Relevant work experience, usually a minimum of two-years.
- A career advising interview with the Program Director is recommended for all candidates.
- An acceptable score on the Graduate Management Admission Test (GMAT) is required of all candidates. The GMAT requirement is considered satisfied for candidates who have already received a masters or doctorate degree in another field or for individuals with an undergraduate GPA of 3.0 or higher.
- A completed application.
- Two letters of recommendation from managers or other persons qualified to assess the applicant's professional or managerial accomplishments and ability to successfully undertake a challenging program of graduate study.
- Candidates for the Hybrid MBA must have a computer with MS Office and internet connection.
- A current brief resume focused on career and professional development and accomplishments in addition to leadership experiences in both work and community activities.

Otherwise highly qualified applicants without a bachelor's degree may be admitted into the Hybrid MBA Program or the Health Care MBA Program. Highly qualified applicants for this consideration are defined as applicants who have a minimum of ten years of full-time professional level business experience, with a significant leadership component in their job responsibility. The leadership role may include leadership over a department or group of employees, or it may be a leadership through influence role depending upon the organizational size involved and type of business involved. The Program Director must identify the key attributes/capabilities of the candidate that justify his or her acceptance into the Program. Included would be an expectation of what other students would learn from this individual in the program. The Program Director of the applicable program will review and approve the admission of all non-degreed applicants.

Each accepted non-degreed applicant, prior to starting the cohort MBA core classes, must have:

- a. completed the MBA foundation classes (BUS 500A and BUS 500Q), or
- b. completed equivalent classes elsewhere at an accredited institution, or
- c. passed the BW waiver tests covering financial accounting and quantitative analysis

Final approval for admission to the program will rest with the MBA Program Admission Committee.

Grading

Letter grades given are A, B, C, F, I, T and W. A plus/minus system may be elected by individual instructors. Each grade has the following value in quality points: A+, 4.0; A, 4.0; A-, 3.667; B+, 3.333; B, 3.0; B-, 2.667; C+, 2.333; C, 2.0; C-, 1.667; F, none; I, incomplete; T, a temporary non-accredited grade to indicate work in the course is continuing and is thus far satisfactory, and W, withdrawal with no quality points. No grade of D is awarded. A cumulative GPA of 3.0 is required for graduation. Grades of all classes, including foundation courses, will be used in the calculation of the GPA. The receipt of a third "C" in a core or elective class or an "F" in any class will result in the

student's dismissal from the program. A student may petition the Program Director for readmission. Such readmission shall be at the sole discretion and subject to the conditions established by the Program Director.

A faculty member may give a student a grade of Incomplete for an MBA course for extenuating circumstances.

The Incomplete grade then must be completed according to one of the following two options:

1. The student must complete the incomplete coursework involved to the satisfaction of the faculty member as soon as possible. This should be concluded by the end of week six of the immediate subsequent semester, but in no case may exceed one year, and may only be extended to one year with the approval of the Program Director.
2. The student may re-take the course in its entirety in the next semester or the next semester that the course is offered. This re-take is to be applied strictly on a one-chance basis only.

If the student involved does not comply with either of the above two options, then the Incomplete grade is converted to an F. At that point, continuation in the MBA Program is at the discretion of the Program Director involved.

MBA students who withdraw from class during the first nine weeks of the semester will receive a grade of "W". Withdrawal after the ninth week may be authorized only in cases of prolonged illnesses, change of employment, or other circumstances beyond the student's control. Lack of academic progress in a course is not sufficient reason for an authorized withdrawal after the ninth week. A written petition must be presented to the Registrar of the University. Petition forms are available in the Registrar's Office. Withdrawal from a course without approval constitutes a failure and the letter grade of "F" is recorded.

Degree Requirements

The student must meet the following for the Master of Business Administration degree:

- Successfully complete all program requirements.
- Attain at least a 3.0 grade point average in total work attempted in the MBA program.
- Complete all degree requirements within four calendar years of initial registration unless a time extension is granted, in writing.

Transfer Credit

Only six credit hours are transferable for credit from another institution. Transfer credit is awarded when:

- The requested credit is an equivalent graduate-level course from an MBA program;
- The student was enrolled as a graduate student when the course was taken;
- The course was graded "A" or "B";
- The course content is compatible with the MBA program at Baldwin Wallace University (determination of credit is made by the program director);
- The credit has not been counted toward an earned degree.

Tuition Payment

Payment of tuition and fees must be made prior to the first class of each semester. Past due accounts will be assessed a finance charge. Grades, transcripts, and diplomas will not be released to students who have not paid their accounts. Payments can be made online at bursar.bw.edu.

Baldwin Wallace has several options to help graduate students make paying for their education more affordable. For example, to accommodate the many graduate students who receive tuition benefits from their employers at the end of the term, BW offers a delayed tuition payment plan called the Tuition Reimbursement Payment Program (TRPP). TRPP allows students to extend the payment due date, at a reasonable rate of interest, until 30 days after the end of the term. TRPP applications and information can be obtained at the Cashier's Office in Bonds Administration Building. In addition, most graduate students who take at least three credits in a given semester are eligible for financial aid through the Federal Loan program. A Federal Loan is a low-interest rate loan whose repayment period does not

begin until six months after the borrower ceases to be enrolled for at least three credits. More information about Federal Loans can be found at the Financial Aid Office, which is also in the Bonds Administration Building. Finally, the MBA Program is fully approved for veterans' educational benefits.

Any special payment arrangements must be made with the approval of the Bursar.

Applied Project

The Hybrid MBA curriculum includes a three credit hour Applied Project. This Applied Project will continue throughout the student's two-year program.

Business Analytics, M.B.A.

The Analytics track within the BW MBA enhances the broad MBA curriculum with specialized training in a variety of analytical techniques that can be immediately applied in solving business problems and decision making. The student completing this track will be well equipped to tackle a range of problems in the business world and if desired, be prepared to continue his/her graduate work in even more depth.

MBA Core

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 503 - Human Capital Management, 2 credit hours
- BUS 509 - Organizational Behavior, 3 credit hours
- BUS 526 - Operations Analysis Models, 3 credit hours
- BUS 544 - Financial Management, 2 credit hours
- BUS 548 - Accounting for Managers, 3 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- BUS 581 - Managerial Economics, 3 credit hours
- BUS 590 - Corporate Citizenship in a Globalized Economy, 2 credit hours
- BUS 591 - Global Business, 2 credit hours
- BUS 670 - Strategic Management, 3 credit hours

Business Analytics Track

- BUS 626 - Business Analytics I, 3 credit hours
- BUS 627 - Business Analytics II, 3 credit hours
- BUS 628 - Applied Marketing Analytics, 3 credit hours

Entrepreneurship, M.B.A.

The Entrepreneurship MBA track offers interested students the opportunity to develop, nurture, and pursue their passion of critical thinking and problem solving leading to new venture creation (internal or external the corporation). Entrepreneurs, by nature, live to challenge the status quo, create opportunities for themselves and others. Because all businesses (large or small, for profit or not for profit) start with an idea, this track presents students with a framework for strategy in entrepreneurial organizations, a framework that incorporates new venture emergence, early growth, reinvigoration and innovation in established companies. The track is organized in three distinct sections (represented by the relevant courses). The MBA experience culminates in an MBA Capstone – the BUS 670. All courses involve the use of cases, written exercises (and journals and/or a reflection paper), and a final project presentation, with students assigned to teams throughout each course.

MBA Core

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 503 - Human Capital Management, 2 credit hours

- BUS 509 - Organizational Behavior, 3 credit hours
- BUS 526 - Operations Analysis Models, 3 credit hours
- BUS 544 - Financial Management, 2 credit hours
- BUS 548 - Accounting for Managers, 3 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- BUS 581 - Managerial Economics, 3 credit hours
- BUS 590 - Corporate Citizenship in a Globalized Economy, 2 credit hours
- BUS 591 - Global Business, 2 credit hours
- BUS 670 - Strategic Management, 3 credit hours

Entrepreneurship Track

- BUS 635 - Intro to Entrepreneurship Strategy, Feasibility, Business Planning & Analysis, 3 credit hours
- BUS 636 - Entrepreneurial Strategies for Sustaining Growth in the Established Company or Exiting, 3 credit hours
- BUS 637 - Entrepreneurship Immersion, 3 credit hours

Health Care Management, M.B.A.

Baldwin Wallace University's Health Care MBA (HCMBA) program is designed for professionals working in the diverse healthcare sector who seek a formal graduate degree without interrupting their careers or interfering with weekday office or travel obligations.

HCMBA classes are offered on alternate weekends (except on occasions when avoiding holiday weekends forces sequential weekends) beginning at 2:00 P.M. on Friday and ending on Saturday at 3:30 P.M. This schedule, designed with a two-fold purpose, leaves the intervening and holiday weekends unencumbered and solves the problems of professionals whose full-time managerial responsibilities include heavy mid-week commitments. The two-day schedule enhances the opportunities for sharing experiences and building a sense of camaraderie among students.

Class sizes are small (no more than 25 students) and organized into interdisciplinary teams. Teams are selected to include a variety of professionals on each team. Participants learn through interaction with classmates who bring widely varied backgrounds to team projects and class discussions.

The program is built upon the systems approach to management that views organizations within the diverse Health Care industry as a dynamic, interdependent organism. Development of the interpersonal and organizational skills needed to lead teams, groups, and networks of providers is emphasized throughout the program. There is also a strong focus on "value added" health care reflecting the need to manage the relationship between cost and quality.

All classes are held at both Baldwin Wallace University in Berea and in Warrensville Heights.

Class Schedules

The schedule of classes for each alternate weekend is:

Friday

2:00 p.m. - 6:00 p.m.	Class
6:00 p.m. - 7:00 p.m.	Dinner
7:00 p.m. - 9:00 p.m.	Class

Saturday

8:30 a.m. - 12:30 p.m.	Class
12:30 p.m.- 1:30 p.m.	Lunch
1:30 p.m.- 3:30 p.m.	Class

The Curriculum

The program of 13 courses are required to complete the Health Care MBA degree. The program is designed to be completed in the two years from the commencement of the core courses. The sequence in which the courses are scheduled is:

Foundation Courses

- BUS 500A - Financial Accounting, 3 credit hours
- BUS 500Q - Quantitative Analysis, 3 credit hours

Semester I:

- BUS 702 - Organizational Theory & The Systems Approach to Management, 3 credit hours
- BUS 746 - Financial Management, 3 credit hours
- BUS 772 - Health Economics, 3 credit hours

Semester II:

- BUS 706 - Accountability of Financial Resources, 3 credit hours
- BUS 709 - Micro–Organizational Behavior, 3 credit hours
- BUS 749 - Operations Management, 3 credit hours

Semester III:

- BUS 712 - Applied Health Care Analytics, 3 credit hours
- BUS 758 - Health Care Law & Ethics, 3 credit hours
- BUS 761 - The Marketing Environment, 3 credit hours

Semester IV:

- BUS 759 - Health Care Policy, 1 credit hour
- BUS 766 - Strategic Leadership and Organizational Effectiveness, 3 credit hours
- BUS 801 - Applied Ethics in Health Care Management, 2 credit hours
- BUS 871 - The Strategic Management of Health Care Organizations, 3 credit hours

Human Resources, M.B.A.

The Masters of Business Administration in Human Resources track (HRMBA) provides students with fundamental managerial and leadership skills that will enable students to understand strategic and operational issues in managing human capital in organizations. The curriculum is directed towards developing Human Resource managers and follows the systems approach to graduate education. The systems approach helps managers to view their own strengths and competencies within a broader understanding of organizational and environmental dynamics. The Society for Human Resource Management (SHRM) has identified the curriculum at Baldwin Wallace University as aligning with their professional guidelines and requirements. Our curriculum is approved by the Human Resources Certification Institute (HRCI).

The track is designed for the working adult with evening classes. Students completing full-time undergraduate study may pursue the Human Resource MBA as a dual 3/2-degree program with completion of the undergraduate bachelor degree in business administration and the HR MBA concurrently in the fourth and fifth years of study.

MBA Core

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 503 - Human Capital Management, 2 credit hours
- BUS 509 - Organizational Behavior, 3 credit hours
- BUS 526 - Operations Analysis Models, 3 credit hours
- BUS 544 - Financial Management, 2 credit hours
- BUS 548 - Accounting for Managers, 3 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- BUS 581 - Managerial Economics, 3 credit hours
- BUS 590 - Corporate Citizenship in a Globalized Economy, 2 credit hours
- BUS 591 - Global Business, 2 credit hours
- BUS 670 - Strategic Management, 3 credit hours

Human Resources Track

- BUS 611 - Compensation, 3 credit hours
- BUS 612 - Employment Law, 3 credit hours
- BUS 613 - Staffing and Development, 3 credit hours

International, M.B.A.

The International MBA track provides students with the fundamental business skills and the global perspective in terms of understanding customers, markets and financial operations.

The admission process for International MBA students also includes the following:

- For any non-U.S. undergraduate transcript, that transcript must be officially translated, authenticated, and evaluated by an approved external evaluation agency such as World Education Services (WES) before it can be considered as part of the application packet.
- The GMAT exam must be taken and the student must score 500 or above.
- Both foundation classes (BUS 500A and BUS 500Q) must be taken by the student as the first two classes.
- The TOEFL exam or the IELTS exam must be completed. The following minimum scores are required:
 - TOEFL
 - PBT 550
 - IBT 79
 - CBT 213
 - IELTS
 - 6.5
- If the applicant has been a student at BW, is affiliated with BW, or is publically acknowledged for proven business and/or academic achievements that are substantiated by BW, then MBA admissions may consider certain exceptions on a one-time basis.

MBA Core

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 503 - Human Capital Management, 2 credit hours
- BUS 509 - Organizational Behavior, 3 credit hours
- BUS 526 - Operations Analysis Models, 3 credit hours

- BUS 544 - Financial Management, 2 credit hours
- BUS 548 - Accounting for Managers, 3 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- BUS 581 - Managerial Economics, 3 credit hours
- BUS 590 - Corporate Citizenship in a Globalized Economy, 2 credit hours
- BUS 591 - Global Business, 2 credit hours
- BUS 670 - Strategic Management, 3 credit hours

International Track

- BUS 630 - International Marketing Strategy, 3 credit hours
- BUS 650 - International Financial Management, 3 credit hours
- BUS 652 - International Strategic Logistics, 3 credit hours

Management, M.B.A.

The MBA/Management track is designed to develop managerial and leadership knowledge, skills, abilities and values. This track is designed for the General Manager and offers opportunities and courses to students who prefer a broader spectrum of course options. A systems approach to managerial thinking and leadership is used to develop a background that will prepare the student to manage and lead large or small organizations in both profit and non-profit environments.

MBA Core

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 503 - Human Capital Management, 2 credit hours
- BUS 509 - Organizational Behavior, 3 credit hours
- BUS 526 - Operations Analysis Models, 3 credit hours
- BUS 544 - Financial Management, 2 credit hours
- BUS 548 - Accounting for Managers, 3 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- BUS 581 - Managerial Economics, 3 credit hours
- BUS 590 - Corporate Citizenship in a Globalized Economy, 2 credit hours
- BUS 591 - Global Business, 2 credit hours
- BUS 670 - Strategic Management, 3 credit hours

Management Track

- BUS 644 - Financial Management II, 3 credit hours
- BUS 645 - Project Management, 3 credit hours
- Elective, 3 credit hours

Management-Hybrid, M.B.A.

The Hybrid Master of Business Administration Management track is designed for working individuals who already possess a Bachelor's degree and have embarked upon a business career. The program is built upon a systematic approach to leadership and management and uniquely combines the teaching of business theory and its practical application with the day-to-day work experience of the student. This program is designed for students who live a distance from a BW campus, and students whose work schedules or other commitments do not permit consistent weekly attendance at evening classes. The Hybrid MBA program is the same curriculum as the MBA in Management (MBA), but it is delivered in a combination of a seated and online environment. This enables a flexible and team supported learning environment. It is a fixed two-year cohort program designed to provide the personalization of a seated program with the flexibility of an online program. An applied project is included. There are seven weekend sessions over the two-year program; the remainder of the program is online. The length of the program is two years

(excluding pre-requisite courses). The curriculum includes 11 core course, an ongoing applied project, and two management specialty track classes.

MBA Core

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 503 - Human Capital Management, 2 credit hours
- BUS 509 - Organizational Behavior, 3 credit hours
- BUS 526 - Operations Analysis Models, 3 credit hours
- BUS 544 - Financial Management, 2 credit hours
- BUS 548 - Accounting for Managers, 3 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- BUS 581 - Managerial Economics, 3 credit hours
- BUS 590 - Corporate Citizenship in a Globalized Economy, 2 credit hours
- BUS 591 - Global Business, 2 credit hours
- BUS 670 - Strategic Management, 3 credit hours

Management- Hybrid Track

- BUS 644 - Financial Management II, 3 credit hours
- BUS 645 - Project Management, 3 credit hours
- BUS 655 - Applied Project, 1-3 credit hours (3 credit hours required)

Management-One Year Program, M.B.A.

The MBA/Management track is designed to develop managerial and leadership knowledge, skills, abilities and values. This track is designed for the General Manager and offers opportunities and courses to students who prefer a broader spectrum of course options. A systems approach to managerial thinking and leadership is used to develop a background that will prepare the student to manage and lead large or small organizations in both profit and non-profit environments.

This is a one year (three semester) MBA cohort program for recent graduates. Classes are predominantly during the day. Recent graduates (current year or prior year) applying for the program must have majored in Business and must have completed the core coursework required for all BW Business majors (or similar at another accredited university). Additionally they must have completed at least one business related internship and have a CGPA of at least 3.0 gpa in their undergraduate work (unless separately approved by the MBA Director).

Required Courses

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 504 - Negotiation & Conflict Management, 2 credit hours
- BUS 505 - Leadership and Teams, 3 credit hours
- BUS 526 - Operations Analysis Models, 3 credit hours
- BUS 548 - Accounting for Managers, 3 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- BUS 581 - Managerial Economics, 3 credit hours
- BUS 591T - Global Business in China, 2 credit hours
- BUS 627 - Business Analytics II, 3 credit hours
- BUS 644 - Financial Management II, 3 credit hours
- BUS 645 - Project Management, 3 credit hours
- BUS 655 - Applied Project, 1-3 credit hours (3 credit hours required)
- BUS 657 - Managing Change, Creativity & Innovation, 3 credit hours
- BUS 670 - Strategic Management, 3 credit hours

Management-Saturday Option, M.B.A.

Baldwin Wallace University offers all of its MBA core courses and the majority of the evening Management MBA track courses on Saturdays, allowing busy professionals greater flexibility in earning a graduate degree. The Baldwin Wallace MBA provides students the opportunity to enhance their potential for career advancement by building a foundation of business theory, business knowledge, and the know-how to apply these skills in the business world. Based upon a systems management approach, students will be able to capture the strategic as well as the tactical responsibilities of leadership.

STUDENTS

The Management MBA Saturday option is designed for students whose work and personal responsibilities prevent them from regularly attending weeknight classes and who desire a traditional classroom setting. The schedule is tailored to professionals looking to advance skills, boost credentials, and move ahead of the competition. It offers students a comprehensive understanding of their role in the larger corporate environment.

This practical systems approach is valued by employers and combines sound theory with realworld application. Students learn to think strategically and act decisively through challenging coursework, dynamic faculty, and immediate workplace application. This integrated Management MBA track offers an excellent opportunity to enhance students' business networks.

FACULTY

Intense faculty support distinguishes our Management MBA program from other universities. At the heart of the School of Business is a distinctive faculty composed of outstanding academicians and experienced business leaders. Their diverse backgrounds and varied experiences foster a unique environment for management innovation and development. Students benefit from the powerful combination of academic and practical leadership expertise and experience that our faculty brings to the classroom. Get to know the faculty by visiting <http://www.bw.edu/mba>, attending an MBA open house, or scheduling an advising session with the program director.

CURRICULUM & FORMAT

Our most flexible MBA offering, the Management MBA track can be completed via weeknight evening courses or a combination of weeknights and Saturdays, allowing you to earn your MBA at your own pace. The program is also available online through BW's Hybrid MBA program.

To complete the program in two years by primarily attending Saturday in-person classes, see the suggested schedule on the reverse side of this document.

Required Saturday MBA Courses

Saturday Management MBA Schedule Option

Semester 1:

- BUS 501 - Systems Management & Organizational Theory, 3 credit hours
- BUS 548 - Accounting for Managers, 3 credit hours

Semester 2:

- BUS 509 - Organizational Behavior, 3 credit hours
- BUS 526 - Operations Analysis Models, 3 credit hours

Semester 3:

- BUS 544 - Financial Management, 2 credit hours
- BUS 551 - Strategic Marketing, 3 credit hours
- BUS 591 - Global Business, 2 credit hours

Semester 4:

- BUS 581 - Managerial Economics, 3 credit hours
- BUS 645 - Project Management, 3 credit hours

Semester 5:

- BUS 503 - Human Capital Management, 2 credit hours
- BUS 590 - Corporate Citizenship in a Globalized Economy, 2 credit hours
- BUS 644 - Financial Management II, 3 credit hours

Semester 6:

- BUS 670 - Strategic Management, 3 credit hours

Weeknight Elective: In addition to the above courses, in order to complete the Management Track Saturday option, students must select one weeknight class from the Business Analytics, Entrepreneurship, Human Resources or International tracks.

Master of Medical Science

Physician Assistant, M.M.S.

BW's MMS in Physician Assistant degree is a full-time, 24-month program encompassing rigorous didactic and clinical training for physician assistant students. The didactic and clinical phases are each 12 months in length. At the completion of the program, a Master of Medical Science (MMS) degree is awarded from Baldwin Wallace University. Graduates of the program will be prepared to take the Physician Assistant National Certifying Exam (PANCE).

Year 1- Didactic Curriculum

Semester I

- PAS 510 - Clinical Anatomy, 6 credit hours
- PAS 511 - Pathophysiologic Foundations of Medicine, 4 credit hours
- PAS 512 - History Taking and Medical Documentation, 3 credit hours
- PAS 521 - Laboratory and Diagnostic Testing I, 3 credit hours
- PAS 531 - Pharmacology I, 4 credit hours
- PAS 541 - Physician Assistant Profession, 1 credit hour

Semester II

- PAS 503 - Evidence-Based Medicine, 2 credit hours
- PAS 507 - Leadership in Healthcare, 1 credit hour
- PAS 513 - Clinical Medicine I, 7 credit hours
- PAS 514 - Physical Exam Techniques, 3 credit hours
- PAS 522 - Laboratory and Diagnostic Testing II, 3 credit hours
- PAS 532 - Pharmacology II, 4 credit hours
- PAS 542 - Biomedical Ethics, 2 credit hours

Semester III

- PAS 515 - Clinical Medicine II, 7 credit hours
- PAS 516 - Procedural Skills and Special Populations, 3 credit hours
- PAS 523 - Psychiatry and Emergency Medicine, 5 credit hours
- PAS 533 - Pharmacology III, 4 credit hours
- PAS 543 - Public Health and Policy Systems, 2 credit hours
- PAS 600 - Masters Seminar, 2 credit hours

Semesters IV-VI

- PAS 591 - Clinical Preparations, 4 total credit hours

Year 2- Clinical Curriculum

Students must complete each of the clinical courses listed below. Each clinical rotation is four weeks in length.

Clinical Year Rotation

- PAS 601 - Rotation #1, 3 credit hours
- PAS 602 - Rotation #2, 3 credit hours
- PAS 603 - Rotation #3, 3 credit hours

- PAS 604 - Rotation #4, 3 credit hours
- PAS 605 - Rotation #5, 3 credit hours
- PAS 606 - Rotation #6, 3 credit hours
- PAS 607 - Rotation #7, 3 credit hours
- PAS 608 - Rotation #8, 3 credit hours
- PAS 609 - Rotation #9, 3 credit hours
- PAS 610 - Rotation #10, 3 credit hours
- PAS 611 - Rotation #11, 3 credit hours
- Call Back Days

Master of Public Health

Public Health, M.P.H.

MPH Core Courses:

- PHT 520 - Fundamentals of Population Health, 2 credit hours
- PHT 522 - Biological Basis of Population Health, 1 credit hour
- PHT 525 - Statistical Methods in Population Health, 3 credit hours
- PHT 526 - Epidemiology for Public Health Practices, 3 credit hours
- PHT 530 - Environmental & Occupational Health, 3 credit hours
- PHT 535 - Research & Evaluation Methods in Population Health, 3 credit hours
- PHT 537 - Theories & Practices in Health Promotion, 3 credit hours
- PHT 541 - Public Health Management, Policy & Advocacy, 2 credit hours
- PHT 600 - Grand Rounds in Population Health, 1 credit hour
- PHT 665 - Grant Writing & Administration, 1 credit hour
- BUS 702 - Organizational Theory & The Systems Approach to Management, 3 credit hours

Health Education & Disease Prevention Concentration

- EDU 581 - Teaching & Learning, 3 credit hours
- EDU 596 - Culturally Responsive Curriculum & Instruct., 3 credit hours
- PHT 620 - Program Planning, Design, and Evaluation, 3 credit hours
- PHT 621 - Advanced Methods in Population Health Assessment, 3 credit hours

Population Health Leadership & Management Concentration

- BUS 500A - Financial Accounting, 3 credit hours
- BUS 505 - Leadership and Teams, 3 credit hours
- BUS 670 - Strategic Management, 3 credit hours
- PHT 650 - Ethics & Law in Public Health, 3 credit hours

Practicum & Capstone

- PHT 770 - Practicum in Population Health, 4 credit hours
- PHT 775 - Capstone Project & Seminar, 1 credit hour

Electives: (6 credits required)

Electives will be provided on a rotating basis.

- PHT 598 - Clinical Research Methods, 2 credit hours
- PHT 610 - Prevention of Chronic Diseases, 3 credit hours
- PHT 611 - Disease & Wellbeing Across Lifespan, 3 credit hours
- PHT 612 - Prevention of Sexually Transmitted Diseases, 2 credit hours
- PHT 613 - Diversity & Health, 2 credit hours
- PHT 630 - Violence & Public Health, 3 credit hours
- PHT 635 - Latino Health & Culture, 3 credit hours
- PHT 645 - Health Informatics & Big Data, 2 credit hours
- BUS 772 - Health Economics, 3 credit hours
- EDU 514 - Instructional Technology Tools & Resources, 3 credit hours
- EDU 516 - Instructional Design & Technology Integration, 3 credit hours
- NUR 105 - Pathophysiological Concepts for Nursing Practice, 3 credit hours

- NUR 106 - Pharmacotherapeutic Concepts for Nursing Practice, 3 credit hours
- PAS 503 - Evidence-Based Medicine, 2 credit hours

Master of Science

Masters

Speech-Language Pathology, M.S.

Required Courses:

- CSD 510 - Child Language Disorders, 3 credit hours
- CSD 521 - Neurology, Anatomy & Physiology for the Speech & Hearing Mechanism, 3 credit hours
- CSD 525 - Articulation & Phonology Disorders, 3 credit hours
- CSD 530 - Clinical Foundations, 3 credit hours
- CSD 531 - Diagnostics in Speech-Language Pathology, 1 credit hour
- CSD 534 - Augmentative & Alternative Communication, 2 credit hours
- CSD 535 - Clinical Practice, 1 credit hour
- CSD 536 - Clinical Practice, 1 credit hour
- CSD 537 - Clinical Practice, 1 credit hour
- CSD 541 - Voice Disorders, 2 credit hours
- CSD 542 - Fluency Disorders, 2 credit hours
- CSD 550 - Integrations, 3 credit hours
- CSD 551 - Integrations, 3 credit hours
- CSD 552 - Integrations, 2 credit hours
- CSD 555 - Speech-Language Pathology with Special Populations, 3 credit hours
- CSD 560 - Foundations of EBP, 3 credit hours
- CSD 610 - Adult Language Disorders, 3 credit hours
- CSD 621 - Aural Rehabilitation, 2 credit hours
- CSD 625 - Motor Speech Disorders & Dysphagia, 3 credit hours
- CSD 635 - Clinical Practice, 3 credit hours
- CSD 636 - Clinical Practice, 6 credit hours
- CSD 638 - Clinical Practice School Based, 1 credit hour
- CSD 650 - Integrations, 2 credit hours
- CSD 651 - Integrations, 1 credit hour
- CSD 677 - Capstone, 3 credit hours

Course Descriptions

Accounting

ACC 070X - Internship, 1-12 credit hours

ACC 211 - Intro to Financial Accounting, 3 credit hours

Prerequisite(s): Sophomore Status

This is an introductory course designed to acquaint students with the principles of accounting theory with the emphasis upon the accounting equation, the accounting cycle, recording financial transactions into accounting systems, including journal entries and ledgers, and understanding primary financial statements as they relate to various business organizations.

ACC 212 - Intro to Managerial Accounting, 3 credit hours

Prerequisite(s): MTH 121, ACC 211

This introductory course emphasizes the application of accounting information from an internal management perspective. As a result, the accounting applications and policies go beyond the generally accepted accounting principles fundamental to financial accounting (ACC 211).

ACC 245 - Bloomberg & Excel Certifications, 3 credit hours

Prerequisite(s): MTH 121. Taken in Sophomore year or first semester of year of transfer, if later than Sophomore year.

Bloomberg and Excel Certifications will allow students to gain certifications in both Excel and Bloomberg Market Concepts while also applying skills through projects and assignments in order to build proficiency.

ACC 316 - Cost Accounting & Analysis, 3 credit hours

Prerequisite(s): ACC 212, ACC 321, ECN 279

This course surveys the accounting requirements of internal organizational management with particular attention devoted to the costs capitalized in inventory. Defines and illustrates job order costing, process costing, standard costing, direct costing, cost-volume-profit analysis, activity-based costing, budgeting, and control of decentralized operations.

ACC 321 - Intermediate Accounting I, 4 credit hours

Prerequisite(s): ACC 211 with at least a B- grade, MTH 121, and minimum Sophomore Status

The conceptual framework, accounting cycle, the theory, and practice of financial statement preparation in accordance with accounting standards are covered in this course.

ACC 322 - Intermediate Accounting II, 4 credit hours

Prerequisite(s): ACC 321 with at least a B- grade

This intermediate accounting course will continue with a deep dive into accounting theory and principles, proper recording of business transactions through journal entries and ledger postings, and the interpretation of financial statements prepared in accordance with generally accepted accounting principles. Main topics include long-term assets and liabilities, stockholders' equity of a corporation, and accounting changes and error corrections. Advanced measurement and disclosure issues relating to the financial statements will also be examined.

ACC 378 - Principles of Fraud Examination, 3 credit hours

Prerequisite(s): Completion of 45 credit hours.

This course focuses on fraud in the workplace. You will learn about common fraudulent schemes, typical perpetrators and measures a company can implement to protect against workplace fraud.

ACC 407 - Individual Taxation, 3 credit hours**Prerequisite(s):** ACC 321

This course is a study of federal income tax law, US Treasury regulations, IRS revenue rulings, and court cases. A major emphasis of the course will be tax planning. There will be a detailed study of individual tax forms and their preparation. We will discuss ethical issues in tax planning and preparation.

ACC 408 - Entity Taxation, 3 credit hours**Prerequisite(s):** ACC 322 & ACC 407

This course provides a comprehensive overview of entities, and the formation, reorganization, and liquidation of corporations. The course also provides discussion of state and local taxation as well as transfer taxes and wealth planning.

ACC 418 - Governmental and Nonprofit Accounting, 3 credit hours**Prerequisite(s):** ACC 321

To familiarize students with financial accounting and reporting concepts, standards and procedures applicable to state, local and federal government levels, as well as not-for-profits.

ACC 419 - Auditing Principles, 3 credit hours**Prerequisite(s):** ACC 322 (may be taken concurrently)

Auditing Principles is a course blended on theory and practice. The external audit process is brought to life through practice sets, flowchart creation, audit client evaluation, business process understanding, internal control evaluation, and issuance of financial statements for audit clients. This course satisfies Ohio's course requirement for Auditing to qualify to sit for the CPA exam.

ACC 421 - Advanced Accounting, 3 credit hours**Prerequisite(s):** ACC 322

This course deals with special problems in accounting for business acquisitions and mergers. Students will be exposed to the different methods of accounting for investments on the books of the parent company. They will develop an understanding of the consolidation procedures that deal with the issues of non-controlling interests, intercompany sales, intercompany debt, and ownership patterns. In addition, partnership accounting and foreign currency translation terminology will be covered.

ACC 468 - Financial Statement Analysis, 3 credit hours**Prerequisite(s):** ACC 321

This course is designed to teach the skills needed to apply accounting knowledge to solve real business problems and make informed business decisions. Financial statements are used to reveal the financial impacts of transactions and provide insights into the effects of accounting choices.

ACC 470X - Internship, Credit hours to be arranged**ACC 507 - Individual Taxation, 3 credit hours****Prerequisite(s):** ACC 321 for Accounting 3/2 Program Students

A study of the federal income tax law, US Treasury regulations and IRS revenue rulings and court cases. A major emphasis of the course will be tax avoidance for the individual through tax planning. There will be a detailed study of actual personal federal tax forms and ethics will be stressed.

ACC 508 - Entity Taxation, 3 credit hours**Prerequisite(s):** ACC 322 & ACC 407 for Accounting 3/2 Program Students

This course is a study of current federal tax laws applicable to corporations, partnerships, estates and trusts. Tax reporting, planning and research are an integral part of this study.

ACC 516 - Cost Accounting and Analysis, 3 credit hours

A course which surveys the accounting requirements of internal organizational management with particular attention devoted to the costs capitalized in inventory. Defines and illustrates job order costing, process costing, standard costing, direct costing, cost-volume profit analysis, activity-based costing, budgeting, and control of decentralized operations.

ACC 518 - Governmental and Nonprofit Accounting, 2 credit hours

This course deals with financial accounting and reporting concepts, standards, and procedures applicable to: 1. state and local governments-including counties, cities, and school districts, as well as townships, villages, other special districts, and public authorities 2. the federal government; and 3. nonprofit and governmental universities, hospitals, voluntary health and welfare organizations, and other nonprofit (or not-for-profit) organizations. Financial management and accountability considerations peculiar to government and nonprofit (G&NP) organizations are emphasized, and the distinctive aspects of auditing G&NP organizations are discussed.

ACC 519 - Auditing Principles, 3 credit hours

Auditing Principles is a course blended on theory and practice. The external audit process is brought to life through practice sets, flowchart creation, audit client evaluation, business process understanding, internal control evaluation, and issuance of financial statements for audit clients. This course satisfies Ohio's course requirement for Auditing to qualify to sit for the CPA exam.

ACC 520 - Accounting Information Systems, 2 credit hours

Corequisite(s): ACC 575

This course examines the role of accounting information systems in business organizations. In doing so, we examine organizational risk across various business processes, components of information technology, and internal control. We also consider ethical issues that may surface within these systems.

ACC 521 - Advanced Accounting, 3 credit hours

Prerequisite(s): ACC 322 for Accounting 3/2 Program Students

A course dealing with special problems in accounting for business combinations and mergers. Students will be exposed to the different methods of accounting for investments on the books of the parent company. They will develop an understanding of the consolidation procedures that deal with the issues of the noncontrolling interests, intercompany sales, intercompany debt, ownership patterns, and income taxes. In addition, the related topics of business segment reporting, and foreign currency translation will be examined.

ACC 568 - Financial Statement Analysis, 3 credit hours

Prerequisite(s): ACC 321 for Accounting 3/2 Program Students

This course will demonstrate the relevance of financial statement analysis and equip students with the analytical tools necessary for informed decision making.

ACC 575 - Data Analysis for Accounting, 1 credit hour

Corequisite(s): ACC 520

Focus on data analytics in accounting and business process review, with an emphasis on the use of data analytics in internal audit, and external audit services.

Specifically, student will:

1. Gain a broad perspective of the use of Data Analytics in accounting through applied and collaborative learning. This will include group case studies and hand-on data analysis.
2. Develop a data analytics mindset, where students will begin to evaluate how to solve a problem, perform a test, or evaluate a business situation with the use of data
3. Recognize the role of big data/data analytics in supporting business decisions.
4. Gain a working knowledge of critical data analysis tools, including Microsoft Excel and Tableau, and how to use these tools to solve real-world accounting / business tasks.

ACC 578 - Principles of Fraud Examination, 3 credit hours

Prerequisite(s): A minimum of 45 credits required for Accounting 3/2 Program Students

This course is centered around understanding occupational fraud. Who is the most likely perpetrator of fraud in the workplace? Doesn't a strong set of internal controls stop fraud from happening? What types of schemes do fraudsters commit? What is the Fraud Triangle? You will find answers for these questions and many more as we navigate throughout the course materials. The course culminates in the application of understanding workplace policies and how these policies help to prevent, detect or allow fraud to occur in the workplace.

ACC 606 - Tax Theory, Research & Practice, 3 credit hours

This course develops students' capacities to deliver tax services far more sophisticated and of much higher value-added than tax return preparation—that is, the ability to form sound professional judgements about the tax consequences of past and proposed transactions and events. This requires attaining firm understandings of tax theory and policy and of the law relevant to taxation, developing legal reasoning and tax law research skills, and becoming familiar with CPA tax practitioners' professional responsibilities. This course accomplishes those goals while concurrently exposing students to the tax planning process.

ACC 645 - Laws for Accountants, 4 credit hours

This course prepares students for success on the CPA exam sections which test business law-related content (Regulation, Business Environment and Concepts) and provides important foundation for a number of accounting topics (e.g., taxation, partnership accounting, accounting for hybrid instruments and derivatives) and facets of practice (e.g., professional responsibility, bond covenants, noncompete agreements, business and estate planning, reasoning from authoritative materials).

ACC 680 - Accounting Capstone, 3 credit hours

Notes: Take in the last semester.

An integrative course that examines the current issues facing today's financial managers. Students will learn how the various accounting sub-specialties and other business functional areas interact and affect both short- and long-term business decisions.

ACC 690 - Accounting Capstone BEC/AUD, 3 credit hours

Combining students' classroom experience with Becker Review online instructions, this course prepares students for success on the CPA exam sections which test Business Environment & Concepts (BEC), and Auditing and Attestation (AUD). In this 16 week long course, students will participate in pre-assessment, pre-lecture online video instruction, in-class discussion, and post-lecture evaluation to be prepared to sit in the two CPA exam sections.

ACC 695 - Accounting Capstone FAR/REG, 3 credit hours

Combining students' classroom experience with Becker Review online instructions, this course prepares students for success on the CPA exam sections which test Financial Accounting & Reporting (FAR), and Regulation (REG). In this 16 week long course, students will participate in pre-assessment, pre-lecture online video instruction, in-class discussion, and post-lecture evaluation to be prepared to sit in the two CPA exam sections.

Africana Studies

AFR 200D - Introduction to Africana Studies, 3 credit hours

This course will introduce students to the study of African societies through the lens of the legacy of the slave trade, colonial rule, and national development since independence, with special focus on West Africa. Contemporary African politics, economies, and the emerging role of select countries in global politics will be examined. The contemporary social, economic, and political status of Africans and descendants of the African diaspora in the Western Hemisphere will be analyzed in this historical context, with special attention to the diaspora communities in the U.S.

AFR 263I - Seminar, 1-4 credit hours

Arabic

ARA 050 - Independent Study, 1-4 credit hours

ARA 101 - Elementary Arabic I, 4 credit hours

This course is designed for students with no previous knowledge of Modern Standard Arabic. Students will learn the Arabic alphabet, basic writing and conversational skills, and entry-level Arabic grammar, including gender of nouns and verbs and regular conjugations. Students will also be exposed to Arabic culture and customs of polite society.

ARA 102 - Elementary Arabic II, 4 credit hours

Prerequisite(s): ARA 101 or equivalent

Students of Arabic 102 are expected to enhance the four language skills of speaking, listening, reading and writing in Modern Standard Arabic. This class will introduce hollow, double-root, and defective verbs, absolute negation, and conditional tense. Students will be exposed to native speakers of Arabic through audio-visual materials and will continue learning about Arab culture.

ARA 201 - Intermediate Arabic I, 4 credit hours

Prerequisite(s): ARA 102 or equivalent

This third semester course continues building the students' intermediate knowledge of Modern Standard Arabic and completes the book used in ARA 101 and ARA 102. The course will provide opportunities for students to solidify and augment the grammar learned in Elementary Arabic as it introduces new vocabulary. It will focus on the development of the ability to use Modern Standard Arabic orally and in reading and writing. Topics include describing activities, professions, places, events, and states of affairs. Exercises include writing, relating information from written sources, and expressing thoughts and oneself. The course will also include an oral component, in which students will practice their Arabic oral communication skills. This will be assessed through specific presentations and projects, which will allow the students to further develop and build on the oral aspect of the Arabic language. Students who complete this course should be able to initiate discussion on topics of daily life and understand and produce more complicated life scenarios.

ARA 202 - Intermediate Arabic II, 4 credit hours

Prerequisite(s): ARA 201 or equivalent

This fourth semester course continues building the students' intermediate knowledge of Modern Standard Arabic and completes the book used in ARA 101 and ARA 102. The course will provide opportunities for students to solidify and augment the grammar learned in Elementary Arabic as it introduces new vocabulary. It will focus on the development of the ability to use Modern Standard Arabic orally and in reading and writing. Topics include describing activities, professions, places, events, and states of affairs. Exercises include writing, relating information from written sources, and expressing thoughts and oneself. The course will also include an oral component, in which students will practice their Arabic oral communication skills. This will be assessed through specific presentations and projects, which will allow the students to further develop and build on the oral aspect of the Arabic language. Students who complete this course should be able to initiate discussion on topics of daily life and understand and produce more complicated life scenarios.

Art

ART 050 - Independent Study, 1-4 credit hours

ART 070X - Internship, 1-12 credit hours

ART 102I - Art Appreciation, 3 credit hours

Explore the masterpieces of Western art from mysterious prehistoric cave paintings to mystifying modern art. Appreciate and understand them by unlocking their meaning and function and by investigating the context in which

the art was made. Our explorations will include such awe-inspiring monuments as Stonehenge, the Colosseum, and the Sistine Chapel, as well as vibrant Impressionist paintings and the perplexing works of Picasso and Dali.

ART 103D - Art of Our Time, 3 credit hours

Encounter and come to understand the challenging and often provocative trends in American art since 1945, as art is redefined not just through painting and sculpture, but also through photography, earthworks, performance, and multi-media installations. We will determine if contemporary American art is a reflection of our society and of ourselves.

ART 110 - Drawing I, 2 credit hours

Creative problem solving and self-expression are the underlying themes in this survey of the basic topics in drawing, including perspective, perception, materials and techniques.

ART 111 - Drawing II, 2 credit hours

Prerequisite(s): ART 110

An extension of ART 110 that includes an introduction to figure drawing and pastels. Students begin formulating a unique personal vision and style while familiarizing themselves with more advance pictorial strategies.

ART 115 - Two Dimensional Design, 2 credit hours

An investigation of structure and order in the visual arts. Such two dimensional design concepts as figure/ground, positive/negative space, balance, composition, pattern and rhythm will be explored. Emphasis will be on learning basic design concepts through various projects, creation of artworks, visual problem solving, self-expression, and assessment through group critiques by learning to make critical aesthetic judgments.

ART 116 - Three Dimensional Design, 2 credit hours

Students participate in creative problem-solving exercises that explore the concepts of three dimensional design. Students will participate in classroom critiques where emphasis will be placed on making critical aesthetic judgments.

ART 117 - Color Theory, 2 credit hours

The theory and practice of color are closely examined in this course. Useful applications are made to a broad range of fields with a special focus on the visual arts.

ART 212 - Drawing III, 2 credit hours

Prerequisite(s): ART 111

An in-depth investigation of the human form through drawing. Topics covered include gesture, anatomy, color, and foreshortening. Students will be encouraged to develop a personal philosophy and style regarding the use of the human form in art.

ART 213 - Introduction to Painting, 2 credit hours

An introduction to oil painting, various techniques and styles, both traditional and contemporary, will be explored to aid the student in creative problem-solving and self expression.

ART 214 - Intermediate Painting, 2 credit hours

Prerequisite(s): ART 213

An extension of ART 213, students begin building a personal artistic style and philosophy through the exploration of a variety of subjects, working strategies and stylistic concerns. Readings and discussions on contemporary art and artists aid the students in this process.

ART 216 - Introduction to Ceramics, 2 credit hours

An introduction to the potters wheel and the basic processes of hand forming, decorating and glazing pottery. Student projects will be evaluated based on craftsmanship, design, aesthetics and creativity.

ART 217 - Intermediate Ceramics, 2 credit hours

Prerequisite(s): ART 216

An intensive study of utilitarian and non-utilitarian forms created with clay. Students will participate in classroom critiques where emphasis is placed on craftsmanship, design, aesthetics and creativity.

ART 220 - Digital Photography, 2 credit hours

This studio course covers the fundamentals of digital photography as an art form. Areas of study include learning to use the digital camera, shutter, aperture and exposure as well as gaining experience in the digital darkroom and in the process of the digital image with Adobe Photoshop. Students will also learn color management and how to print digital images. The course emphasizes visual problem solving and creativity through class assignments. Students must provide a digital SLR camera with removable lenses. Camera must have full manual control over focusing, shutter speed, aperture and capable of at least 8 megapixels.

ART 225 - Introduction to Photoshop, 2 credit hours

A study of two-dimensional computer imaging and design using Adobe Photoshop for creative image making and visual problem solving. Students will learn to operate the computer, picture and film scanners, and color printers while studying the raster based program Adobe Photoshop. The course will focus on 16 million color digital painting, drawing and photography. Students must provide film and/or digital cameras for use in the course.

ART 226 - Three-dimensional Computer Imaging- Maya, 2 credit hours

A study of three-dimensional computer imaging and design using the program 3Ds Max for creative image making, animation and visual problem solving. This program is the industry standard for 3D computer imaging for film, video, game creation and 3D visualizations. Students will learn to create virtual 3D worlds by creating 3D objects, navigating space, lighting, camera techniques, ray trace rendering and animation. Emphasis will be on the technical, visual problem solving and self-expression through this medium. May be repeated for credit.

ART 230 - Introduction To Jewelry And Metal Design, 2 credit hours

A study of jewelry and design techniques for creating wearable art and objects. Students will learn to layout, pierce designs in metal, solder, patina, polish and display the works they have created. Students will learn the properties of—and work with—nickel, brass, copper and sterling silver. Emphasis will be placed on the marriage of technical skills and design.

ART 231I - Western Art to 1400, 4 credit hours

Survey the main trends of art and architecture from mystifying prehistoric cave paintings to majestic Gothic cathedrals. Along the way, explore Stonehenge in England, the pyramids of Ancient Egypt, the Parthenon of Ancient Greece, the Colosseum of Ancient Rome, Early Christian and Byzantine churches in Italy, Early Medieval art in Ireland, and the soaring grandeur of medieval cathedrals.

ART 232I - Western Art from 1400 to 1945, 4 credit hours

Survey the main trends of art and architecture from the dazzling Italian Renaissance to the complexities of modern art. Along the way, explore Michelangelo's Sistine Chapel, the Baroque masterpieces of Rome and the Palace of Versailles in France. You'll also study the paintings of Neoclassical and Romantic artists, the Impressionist portraits and landscapes of Renoir and Monet, the mesmerizing colors of Vincent Van Gogh, the groundbreaking Cubism of Picasso, and the strange dreamscapes of Dali.

ART 234 - Survey of American Art from Colonial Times to 1945, 3 credit hours

Survey the main artistic trends in American painting, sculpture, and architecture from the colonial era to 1945. Along the way, you'll explore Spanish colonial architecture, Independence Hall in Philadelphia, the classical buildings of Washington, D.C., the dizzying skyscrapers of Chicago and New York, and the unique architecture of Frank Lloyd Wright. You'll also discover the majestic landscape paintings of Niagara Falls and the Rocky Mountains, the seascapes of Winslow Homer, the palettes of American Impressionism, and the mysterious cityscapes of Edward Hopper. The highly admired collection of American art at the Cleveland Museum of Art will be highlighted, as well the architecture of Cleveland.

ART 235I - Topics in Non-Western Art, 3 credit hours

Explore the fascinating art of non-Western cultures, such as China, India, Japan, or Africa.

ART 236IE - European Art and Architecture, 4 credit hours

Notes: Open only to participants in the Seminar in Europe Program.

Art and architecture to be seen during the Seminar in Europe tour will be studied and discussed. Required of all SIE participants.

ART 240 - Graphic Design I, 2 credit hours

In this studio course students will generate independent creative solutions to a series of design problems that answer the question: "How do graphic designers create compelling print layouts that effectively communicate to their target audience?" Students will learn how to apply basic design principles and elements to create informative and/or persuasive print layouts. In addition to the graphic terms and techniques learned, students will expand their knowledge in other design processes including, brainstorming, conceptualizing, critical thinking, industry standard software (Adobe Creative Cloud), mock-up and project presentation.

ART 241 - Graphic Design II, 2 credit hours

Prerequisite(s): ART 240 & CSC 135

In ART-241 Graphic Design II, students will learn how to apply their prior graphic design knowledge to website design. As part of the course work, students will learn the website design process from concept to code. Students learn and apply skills to construct a well-designed, responsive, trending, professional website. Other areas addressed include: HTML, CSS, mock-up design, page optimization, navigation, email design, web image, color and font usage, browser compatibility, basic UX/UI, accessibility and more.

ART 246 - Introduction to Sculpture, 2 credit hours

Students explore creative processes aimed at uncovering the structural and plastic potential of a variety of media. Projects will be critiqued and evaluated while students learn to make critical aesthetic judgments.

ART 248 - Introduction to Printmaking, 2 credit hours

An introductory course covering various printmaking processes; relief (linocut, woodcut, collagraph), and intaglio (etching). Emphasis will be on learning how to make prints, visual problem-solving, personal image-making, and assessment through group critiques by learning to make critical aesthetic judgments.

ART 259 - Faculty-student Collaboration, Credit hours to be arranged**ART 261 - Typography, 2 credit hours**

Prerequisite(s): ART 240

This course is an introduction to the history, anatomy and classifications of type. By using a combination of lab and lecture, this course evaluates typography's role in the creative and visual direction of a message. Understanding the power of typography by way of its influential & iconic typefaces and layout guidelines leads to more effective visual communication. Students use Adobe InDesign and Adobe Illustrator to complete projects and solve problems aimed at achieving these goals. Students must provide laptop computer and have access to Adobe Creative Cloud Software (Adobe CC) to use in this course. Specifically Adobe Photoshop, Adobe Illustrator, and Adobe InDesign.

ART 263 - Seminar, 1-4 credit hours

Areas of specialized interest are offered.

ART 315 - Advanced Painting, 2 credit hours

Prerequisite(s): ART 214

Primarily a self-directed course, students are responsible for creating a body of work that reflects individual formal and conceptual concerns. Students receive personalized guidance and feedback through discussions, directed readings and structured critiques. May be repeated for credit.

ART 318 - Advanced Ceramics, 3 credit hours**Prerequisite(s):** ART 217

The exploration and development of a student's personal style in ceramics. Through classroom critiques students learn to make critical aesthetic judgments. This course may be repeated for credit.

ART 319 - Special Topics in Ceramics, 1-2 credit hours**Prerequisite(s):** Consent of the Instructor

This course will focus on and explore techniques and materials not covered in ART 216, ART 217, ART 318. Areas of concentration may include Raku, Earthenware, Mold Making and Slip Casting, and Clay and Glaze Calculation. This course may be repeated for credit.

ART 323 - Advanced Digital Photography, 2 credit hours**Prerequisite(s):** ART 220

Students will learn advanced digital SLR camera controls, organizing and processing photographs using Adobe Lightroom, large scale digital printing and studio lighting. Various digital photography processes will be covered including, panorama, HDR, light painting and photo montage. Course projects allow students to use their own subject matter while advancing their creative and technical skills. Projects emphasize visual problem-solving, self-expression, and assessment through group critique and by learning to make critical aesthetic judgments. May be repeated for credit. A digital SLR camera is required.

ART 328 - Materials and Techniques, 2 credit hours**Notes:** Required of all art education majors. Not open to freshmen

A study of the materials and methods relative to teaching the visual arts as they pertain to the Early Childhood Licensure. Emphasis will be on how the visual arts may aid in the child's physical social, emotional, cognitive and creative development. The student will be actively engaged in the areas of design, painting, printmaking and other projects both two and three dimensional in nature.

ART 330 - Advanced Jewelry and Metal Design, 2 credit hours**Prerequisite(s):** ART 230

This is an advanced metal design course. Emphasis is placed on the development of a personal aesthetic while more complex technical skills are explored. Students will become familiar with cold connections, simple metal casting, etching and forming processes. This course can be repeated for credit.

ART 347 - Advanced Sculpture, 2 credit hours**Prerequisite(s):** ART 246

An intensive study of the sculpture process in a medium of the students' choice. Through regular evaluation and critiques students will learn to make critical aesthetic judgments. May be repeated for credit.

ART 349 - Advanced Printmaking, 2 credit hours**Prerequisite(s):** ART 248

An intensive personal exploration of any print medium of the students choice. A search for individual style is emphasized. Advanced topics will also be covered and may include: photographic techniques in etching and lithography, the big woodcut, color techniques in relief and intaglio, the collagraph, the multi-block print, paper making and the print, and artists books. May be repeated for credit.

ART 350 - Graphic Design III, 2 credit hours**Prerequisite(s):** ART 240, ART 241, & ART 261

This course utilizes and expands upon skills learned in ART 240 and ART 241, focusing on advertisements, multi-page documents, brochures, direct mail and print/digital branding campaigns. In addition, this course covers topics which include the professional printing process, as well as design methods and techniques, such as paper, die-cuts, spreads and folds. ART 350 includes digital print file preparation, print quotes and a visit to a printer to introduce and familiarize students with how the print process works. Students must provide laptop computer and have access to

Adobe Creative Cloud Software (Adobe CC) to use in this course. Specifically Adobe Photoshop, Adobe Illustrator, Adobe InDesign, and Adobe Dreamweaver.

ART 359 - Faculty-student Collaboration, Credit hours to be arranged

ART 362 - Logos & Symbols, 2 credit hours

Prerequisite(s): ART 240

This course explores the importance of logos, symbols and icons as they pertain to graphic design and branding. Students learn what makes a logo work as an instantly recognizable representation of a company, service or product. Using Adobe Creative Suite, each student will focus on design process and development from conception to presentation, creating effective symbols, icons, logotypes and logos. Students will apply their logo designs to branding material to explore their use in context. Students must provide laptop computer and have access to Adobe Creative Cloud Software (Adobe CC) to use in this course. Specifically Adobe Photoshop, Adobe Illustrator, and Adobe InDesign.

ART 363 - Junior Seminar- Portfolio Review & Critique, 0 credit hours

Prerequisite(s): Junior Standing

Students present their portfolios for review by studio art faculty and their peers. Participation in presenting and evaluating artworks prepares students for the Senior Seminar.

Graded: S/U

ART 432I - Twentieth Century Art, 3 credit hours

A study of the history of European and American art from 1900-1945. Decade by decade, we will chronicle the revolutionary stylistic movements that reformed the notion of the meaning and purpose of art. Through the painting, sculpture, architecture, photography, and cinema of this extraordinary era, we will witness the full unleashing of the human imagination.

ART 452 - Portfolio Review, 2 credit hours

Prerequisite(s): ART 240, ART 241, ART 261, & ART 362. ART 350 recommended.

This course covers all aspects of creation and presentation of a professional graphic design portfolio. Emphasizing individual strengths and areas of specialization, students edit and modify their creative works where required and add new pieces to a final portfolio that meets industry standards. Students also analyze appropriate presentation materials, create resumes, business cards, develop promotional pieces, and presentation style and techniques. Students must provide laptop computer and have access to Adobe Creative Cloud Software (Adobe CC) to use in this course. Specifically, Adobe Photoshop, Adobe Illustrator, Adobe InDesign and Adobe Dreamweaver.

ART 459 - Faculty-student Collaboration, Credit hours to be arranged

ART 463 - Senior Seminar- Senior Art Exhibit, .5-1 credit hour

Prerequisite(s): ART 363 and Senior Standing

This course involves student participation in the annual senior art exhibition. Students work with faculty advisors in preparing, mounting and exhibiting in the Fawick Art Gallery.

Graded: S/U

ART 470X - Digital Media Design Internship, 1-12 credit hours

Prerequisite(s): ART 240, ART 241, ART 261, ART 350, ART 362 and Senior Status. ART 452 is suggested.

This course integrates the skills and a knowledge student acquired in the Digital Media & Design program, and applies them to a professional work setting. During the course of the semester, students will complete an off-site internship with a minimum of 15-20 hours per week. Through regular meetings, the student will reflect on their work completed during the internship and on their academic experience at Baldwin Wallace. At the end of the experience, students will write a reflective essay and give a presentation on their internship. Students must provide laptop computer and have access to Adobe Creative Cloud Software (Adobe CC) to use in this course. Specifically Adobe Photoshop, Adobe Illustrator, and Adobe InDesign.

ART 491 - Departmental Thesis/project, Credit hours to be arranged

ART 492 - Departmental Thesis/project, Credit hours to be arranged

Arts Management

AMG 070 - Internship, 1-12 credit hours

AMG 102 - Introduction to Arts Management, 3 credit hours

An examination of the Arts Management field including career options, types of arts organizations, relationship of program components to program goals, and current issues in arts management. Students will also reflect upon their career goals, create preliminary plans for attaining them, and begin working on interview, resume, and professionalism skills.

AMG 201 - Principles & Practices of Arts Management I, 3 credit hours

Prerequisite(s): AMG 102 or Public & Nonprofit Management Major

This course focuses on skills related to Mission Alignment, Program Development, Assessment, Strategic Planning, Organizational Behavior, Advocacy, and Public Policy for arts organizations and businesses.

AMG 202 - Principles & Practices of Arts Management II, 3 credit hours

Prerequisite(s): AMG 102

This course focuses on skills related to Community Engagement, Education & Outreach, Ethics, Legal Environments, Human Resources, and International Perspectives for arts organizations and businesses.

AMG 270 - On-campus Internship, 1-2 credit hours

Prerequisite(s): AMG 102

AMG 301 - Public Relations, Marketing & Fundraising for the Arts Organization, 3 credit hours

Prerequisite(s): AMG 102

This course focuses on skills related to strategic planning, outreach, and resource development strategies for not-for-profit arts organizations.

AMG 302 - Financial Management of Arts Organizations, 3 credit hours

Prerequisite(s): AMG 102, ECN 100, ACC 211

This advanced course covers selected topics in financial management for arts organizations such as financial analysis, forecasting, non-profit accounting, grants (corporate, individual and government) management and production/exhibition budgeting.

AMG 303 - Fundraising for the Arts, 3 credit hours

Prerequisite(s): AMG 102

This course focuses on skills related to fundraising, development and grant proposal writing as they relate to arts organizations.

AMG 370 - Internship, 3 credit hours

Prerequisite(s): AMG 102

Students complete an off-campus internship while having weekly meetings with other arts management students participating in internships.

AMG 401 - Senior Experience, 1 credit hour

Prerequisite(s): AMG 102, AMG 270.

This course focuses on typical transitional issues for University seniors as they prepare for graduate school or careers in arts management.

AMG 470 - Internship, credit to be arranged

Prerequisite(s): AMG 102 and a 3.0 GPA.

Asian Studies

ASN 100I - Understanding Asia, 4 credit hours

This interdisciplinary, team-taught course will provide an overview of the broad social changes in the major social institutions in contemporary China, Japan, Korea, India, and Pakistan. The course will place special emphasis on "modern" East Asia and South Asia's linkages with their "traditional" pasts. The goal of the course is to give a broad introduction to social conditions in this part of the world, and to provide a basis for further study in more advanced and specialized classes in Asian studies.

Astronomy

AST 050 - Independent Study, 1-3 credit hours

AST 070 - Internship, Credit hours to be arranged

AST 111 - Astronomy of the Stars, 3 credit hours

The student is assumed to have had high school mathematics through algebra. An introductory lecture course dealing primarily with objects beyond the solar system. The course briefly discusses the historical development of astronomy, telescopes, and spectroscopy. The major topics covered are the birth and death of stars, the structure and evolution of galaxies, exotic objects such as pulsars, white dwarfs, black holes, radio galaxies, quasars and some of the current theories of cosmology. No Lab.

AST 121 - Astronomy of the Solar System, 3 credit hours

The student is assumed to have had high school mathematics through algebra. An introductory lecture course dealing primarily with objects in the solar system. The course briefly covers the methods and historical development of astronomy. Drawing on the most recent data from space probes and the Hubble, the course's major topics include the structure of the sun, the structure and remarkable features of the planets and their moons, and solar system debris such as comets and asteroids. No Lab.

AST 131 - Exploratory Astronomy, 4 credit hours

The student is assumed to have had high school mathematics through algebra. An introductory lecture-laboratory course dealing with topics in solar system and stellar astronomy. Lab exercises emphasize topics such as the nature and properties of light, optics, heat, mechanics, astronomical data analysis and/or computer simulations. Lab included.

AST 170 - Observational Astronomy Lab, 1 credit hour

Prerequisite/Corequisite: AST 111 or AST 121 or equivalent

An introductory laboratory course that explores the universe and the practice of basic scientific principles through observations of the night sky, using the naked eye, binoculars and small telescopes, and the large telescope of the Burrell Memorial Observatory. Topics also include the properties of light and the principles and design of telescopes and optical instruments.

AST 200 - Science, 1-4 credit hours

A study of a topic in science which may involve an interdisciplinary approach. Course content is determined by the department under whose auspices the course is offered. AST 200 is not offered on a regular basis.

AST 259 - Faculty-student Collaboration, Credit hours to be arranged

AST 359 - Faculty-student Collaboration, Credit hours to be arranged

AST 459 - Faculty-student Collaboration, Credit hours to be arranged

AST 491 - Departmental Thesis/project, Credit hours to be arranged

AST 492 - Departmental Thesis/project, Credit hours to be arranged

Biology

BIO 050 - Independent Study, 1-4 credit hours

BIO 070 - Internship, 1-12 credit hours

Notes: Up to twelve hours may count toward graduation, but only four hours may count toward the biology major.

BIO 101 - Human Biology, 3 credit hours

Notes: For non-biology majors only; does not count toward biology major or minor

A non-laboratory scientific study of fundamental biological principles as they pertain to the human condition.

BIO 110 - Biology for the Citizen, 4 credit hours

Notes: For non-biology majors only; does not count toward biology major or minor

A lecture-laboratory inquiry into selected biological topics of interest to the intelligent citizen.

BIO 111 - Field Biology, 4 credit hours

Notes: For non-biology majors only; does not count toward biology major or minor

An ecological approach to the study of life with emphasis on the outdoor world and peoples place in it. A field and laboratory course emphasizing the natural history of selected aquatic and terrestrial ecosystems.

BIO 121 - Principles Of Biology I, 4 credit hours

A lecture-laboratory survey of cellular and molecular biological principles. Topics include the chemistry of living cells; cellular structure, function, and metabolism; and the principles of inheritance.

BIO 122 - Principles Of Biology II, 4 credit hours

A lecture-laboratory survey of macro-level biological principles. Topics include evolution, diversity, classification, ecology, and environmental science.

BIO 150I - Humans & The Earth: Can We Coexist?, 3 credit hours

This team taught course examines global environmental issues, such as climate, energy, development, biodiversity, and population from interdisciplinary perspectives. These perspectives will vary depending upon the academic disciplines of the three faculty members who instruct the course. Students in the old core will satisfy three core credits, either in the sciences (BIO 150I), the social sciences (ECN 150I/POL 150I), or the humanities (HUM 150I) and an International course requirement. Offered as SUS 150I, BIO 150I, HUM 150I, ECN 150I, and POL 150I in the new core, the the course satisfies the Interdisciplinary requirement and is counted towards the International requirement. Humans and the Earth is also a required course for the Sustainability Program major and minor. It may be counted towards the requirements of the Sustainability Program Certificate.

BIO 163 - Freshman Biology Seminar, .5 credit hour

Notes: All biology majors must take this course during their first year of study at Baldwin Wallace.

This course serves as an introduction to the opportunities, expectations, and responsibilities that result from choosing

a career in the biological sciences. The course consists of discussions, outside speakers, assessment testing, and presentations given by senior biology majors.

Graded: S/U

BIO 180 - Introduction to Biotechnology, 3 credit hours

Notes: For non-biology majors only; does not count toward biology major or minor An introduction to the science of biotechnology.

Topics to be covered include a survey of the fundamentals of proteins and DNA, the basic procedures employed in working with these biological molecules, and the construction of recombinant DNA and transgenic animals ("genetic engineering"). The class will also explore the societal impact of biotechnology.

BIO 200 - Science, 2-4 credit hours

A study of a topic in science that involves an interdisciplinary approach. The department under whose auspices the course is offered determines course content.

BIO 203 - Human Anatomy and Physiology I, 4 credit hours

A lecture-laboratory course covering cells, tissues and the skeletal, muscular, nervous, sensory, and respiratory systems of the human body. Prosected human cadavers, organs and skeletons will be studied in the laboratory portion of the course.

BIO 204 - Human Anatomy and Physiology II, 4 credit hours

Prerequisite(s): BIO 203

A continuation of BIO 203, covering the cardiovascular, lymphatic, respiratory, immune, digestive, urinary, and reproductive systems of the human body. Prosected human cadavers and organs, histology, and electrophysiology, will be studied in the laboratory portion of the course.

BIO 210IE - Tropical Ecology with Lab, 4 credit hours

Prerequisite(s): Consent of instructor

This course explores ecological principles as demonstrated by interactions among tropical organisms and their environments. The laboratory component of the course involves field work done in a tropical setting.

BIO 211 - Genetics, 4 credit hours

Prerequisite(s): "C-" or better in BIO 121 and BIO 122.

A lecture-laboratory study of classical, cellular and population genetics.

BIO 212 - Microbiology, 4 credit hours

Prerequisite(s): "C-" or better in BIO 121 and BIO 122.

A lecture-laboratory study of microorganisms, particularly bacteria. The relationship of these microorganisms to humans is emphasized.

BIO 221 - General Zoology, 3 credit hours

Prerequisite(s): "C-" or better in BIO 121 and BIO 122.

A lecture-laboratory survey of the most common taxa of the animal kingdom.

BIO 222 - General Botany, 3 credit hours

Prerequisite(s): "C-" or better in BIO 121 and BIO 122.

A lecture-laboratory study of the plant kingdom with emphasis on the flowering plants.

BIO 259 - Faculty-student Collaboration, Credit hours to be arranged

BIO 263 - Sophomore Biology Seminar, 1 credit hour

Prerequisite(s): "C-" or better in BIO 121 and BIO 122. Biology majors must take this course during their sophomore year. Transfer biology majors must take this course the next semester after they take BIO 121/BIO 122 if they are sophomores or higher when they transfer in. Otherwise, they must take this course their sophomore year. Students in this course will learn how to use and interpret the scientific literature, and how to research, develop and deliver a talk on a current topic in Biology.

BIO 281 - Environmental Biology, 4 credit hours

This course introduces environmental processes and the influence of human activities upon them. We will focus on understanding how ecosystems and the populations of organisms within them function and interact. We will also examine human dependence, interaction, and impacts on ecosystems. Upon completion, students should be able to demonstrate an understanding of environmental interrelationships and of contemporary environmental issues.

BIO 301 - Cell Biology, 3 credit hours

Prerequisite(s): BIO 211

This lecture course provides a detailed analysis of the eukaryotic cell and its components. Topics that will be covered include chaperones, proteasomes, the cytoskeleton, the flagellum, nuclear transport, mitochondria, protein trafficking, cell cycle, and cell signaling.

BIO 308 - Evolution of Animal Behavior, 4 credit hours

Prerequisite(s): "C-" or better in BIO 221

Animal Behavior is a broad field, encompassing topics as diverse as the neural basis of perception in insects, to issues such as whether patterns of deviant human behavior like murder and rape conform to evolutionary explanations. This course is a survey of the function, development and evolution of behavior. We will start with an analysis of the mechanics of behavior, including genetic influences, development, and physiological aspects. We will then discuss the ecological significance of behavioral patterns and the adaptations of behavior. Discussion sections will develop your critical reading and thinking skills. Each week we will discuss seminal and/or current papers on the topic covered in class that week. Laboratory exercises are designed to give a hands-on experience designing experiments, observing patterns, making hypotheses, data analysis and interpretation.

A weekend field trip is required

BIO 309 - Vertebrate Natural History, 4 credit hours

Prerequisite(s): BIO 221

A lecture-laboratory-field study of the evolution and ecology of vertebrate animals.

A weekend field trip is required

BIO 310 - Evolution, 4 credit hours

Prerequisite(s): BIO 121, BIO 122

A lecture-laboratory-field study of the fundamental principles of organic evolution.

BIO 311 - Conservation Biology, 4 credit hours

Prerequisite(s): BIO 211. A weekend field trip is required.

This class examines the major biological approaches and ecological principles upon which conservation are based and applied. Course topics include the history of the conservation movement, biodiversity, extinctions, population modeling, habitat fragmentation, invasive species, endangered species, conservation genetics, economics, government policy and regulation, restoration ecology and social science elements of conservation strategies designed to conserve diversity. There is a mandatory overnight field trip.

BIO 313 - Ecology, 4 credit hours

Prerequisite(s): BIO 121, BIO 122

A laboratory-field study of the concepts of ecology. Representative aquatic and terrestrial ecosystems will be studied.

BIO 314 - Molecular Ecology, 4 credit hours

Prerequisite(s): "C-" or better in BIO 211. BIO 212 is also recommended.

Molecular ecology is a young and exciting field that is taking advantage of the rapid development of new techniques in molecular genetics as well as advances in the theoretical and statistical approaches to interpreting the wealth of molecular data now available. Essentially, molecular ecology describes the dynamics of evolutionary change at the molecular level. Specifically, molecular ecology employs variation in nucleic acid and/or proteins to answer questions involving organismal behavior, kinship, populations and communities of organisms and phylogenies. The laboratory will be a hands-on introduction to the standard genetic markers computational techniques culminating in an independent project. After an introduction to some of the techniques and methods, you will be conducting your own independent project in the field. You will be responsible for choosing a study system, collection of tissue samples, extraction of genetic material, and assays of genetic material by one or more molecular markers.

BIO 322 - Plant Evolution, 4 credit hours

Prerequisite(s): BIO 122, BIO 222 or permission of instructor

Plants have diversified into over 400,000 species that dominate all terrestrial habitats, support all other organisms, and sustain human life by supplying oxygen, foods, drugs, fuels, and fibers. This course focuses on the evolutionary patterns and processes shaping the astonishing array of adaptations across the plant kingdom. Through discussions of primary literature, field trips, and lab activities, students build their understanding of systematics research, skills in plant identification, familiarity with local flora, and appreciation of plant diversity.

BIO 330 - Gross Anatomy, 4 credit hours

Prerequisite(s): "C-" or better in BIO 121 and BIO 122.

This is a lecture-laboratory course in the gross structures of the human body, in which a detailed, regional approach is used. Student dissection of human cadavers, as well as the study of skeletons and organs will be performed in the laboratory.

BIO 331 - Developmental Biology, 4 credit hours

Prerequisite(s): "C-" or better in BIO 211 or consent of instructor.

A lecture-laboratory course emphasizing the processes and concepts of embryonic development at the cellular, tissue, and organismal levels. A large part of this course is concerned with the biochemical, cellular, and molecular aspects of developmental biology.

BIO 332 - Histology, 3 credit hours

Prerequisite(s): "C-" or better in BIO 121 and BIO 122, or BIO 203 and BIO 204

A lecture-laboratory study of the microscopic structure of the human body. All organ systems will be covered. Detailed consideration is given to the manner in which cells are organized into tissues and tissues are organized into organs. Slides of mammalian tissues and organs will be studied in the laboratory portion of the course.

BIO 333 - Human Physiology, 4 credit hours

Prerequisite(s): "C-" or better in BIO 121 and BIO 122.

A lecture-laboratory study of the fundamental processes responsible for the normal function of the cells, tissues, organs, and systems of the human body. Initial emphasis is given to physiological processes common to all cells of the body. Essential concepts of physiology at the organ and system level are then presented.

BIO 334 - Invertebrate Natural History, 4 credit hours

Prerequisite(s): "C-" or better in BIO 221

A laboratory-field study of the ecology, behavior and importance of invertebrate animals. Special emphasis is given to insects and marine organisms.

BIO 336 - Molecular Biology, 4 credit hours

Prerequisite(s): "C-" or better in BIO 211 is required and BIO 212 is recommended

A lecture-laboratory study of some of the major techniques and applications in molecular biology.

BIO 337 - Plant Physiology, 4 credit hours**Prerequisite(s):** BIO 222

A lecture-laboratory study of the mechanisms employed by plants to solve the problems of life on land. Discussion of classic and current papers from the literature is included. Major topics covered are stress physiology, growth and development, and photosynthesis. The cellular and molecular basis for plant function is explored. The implications of plants' physiological adaptations in ecology and agriculture are emphasized.

BIO 341 - Immunology, 4 credit hours**Prerequisite(s):** "C-" or better in BIO 121 and BIO 122 are required. BIO 211 and BIO 212 are recommended.

A lecture-laboratory study of innate and acquired immune responses.

BIO 351 - Head & Neck Anatomy and Facial Reconstruction, 4 credit hours**Prerequisite(s):** At least Junior status

This is a detailed study of the structure of the head & neck and the forensic reconstruction using human skulls. Detailed concepts of soft and hard tissue structure, facial esthetics, as well as basic facial development and aging are taught. The course consists of both lecture and laboratory portions. The lecture portion deals mostly with general principles and concepts. In the laboratory, the student participates in practical examination of cadaver specimens, the clinical examination of the head and neck, and the facial reconstruction using sculpting clay applied to skulls. Artistic experience is not required.

BIO 359 - Faculty-student Collaboration, Credit hours to be arranged**BIO 363 - Biology Seminar, 0 credit hours**

This course consists of attending the senior biology seminar (BIO 463) and evaluating the presentations.

Graded: S/U**BIO 365 - Ecology Field Studies, 2 credit hours****Prerequisite(s):** Consent of the instructor

A field and classroom study of a particular ecosystem. A major component of the course will be an extensive field trip that will take place during or after the semester in which the course is offered.

Graded: S/U**BIO 405 - Advanced Topics In Biology, 1-4 credit hours****Prerequisite(s):** A C- or better in BIO 121 & BIO 122.

A single topic will be addressed each time the course is offered, but topics chosen may differ.

BIO 422 - Field Botany, 1 credit hour**Prerequisite(s):** BIO 222

Field Botany is a field based course that meets once a week for an off campus trip. In this course students will develop familiarity with flowering herbaceous species and with tree species of NE Ohio. They will gain skill in using field guides to identify unknown species, will learn characteristics of common plant families, and will learn some of the natural history of our local flora.

BIO 459 - Faculty-student Collaboration, Credit hours to be arranged**BIO 463 - Senior Biology Seminar, 1 credit hour****Prerequisite(s):** BIO 263 with a grade of C- or better

Students enrolled in this course will give an oral presentation to the faculty and students of the Department on a previously approved biological topic that they have researched. They will write a research paper on the same topic.

BIO 491 - Departmental Thesis/project, Credit hours to be arranged

Business Administration

BUS 050I - Independent Study, 1-4 credit hours

BUS 070X - Internship, 1-12 credit hours

BUS 170 - Explorations in Healthcare Careers, 1 credit hour

This course provides a general exploration and evaluation of career opportunities in the field of healthcare management. The course will help prepare students for the internship search process and provide preparation to guide later career decisions.

BUS 208 - Introduction to Business, 3 credit hours

This course provides an introduction to the role of business in modern society, its responsibilities and obligations, existing forms and functions, and projected changes and their effect on society. Not open to students who have taken BUS 305.

BUS 213 - Accounting & Finance Essentials, 3 credit hours

This is an introductory course designed to emphasize the fundamentals of financial literacy by acquainting students with the basic accounting process and essential principles of finance. The focus will be on understanding the financial impacts of decisions made in every area of a business as they relate to various business organizations.

BUS 215 - Introduction to Entrepreneurship, 3 credit hours

This overview course will give students an awareness of the skills, knowledge and abilities needed to be a successful entrepreneur. An objective of the course is to develop students' ability to become opportunity-focused and recognize their own entrepreneurial potential. Students will examine a framework that views entrepreneurship as a process that emphasizes the individual, the environment, the organization. Topics such as entrepreneurship, family businesses, social entrepreneurship, and innovation will be explored.

BUS 243 - Personal Finance, 3 credit hours

This course studies the principles of personal finance with an emphasis on personal taxes, cash and savings instruments, consumer loans, stock and bond investments, real estate, insurance, and retirement planning.

BUS 259 - Faculty-student Collaboration, Credit hours to be arranged

BUS 263 - Seminar, 1-3 credit hours

Sophomore-level seminars are open to all students who have completed listed prerequisites. Seminars study a specified current business topic and may be taken more than once for credit provided the topic or subject area is different.

BUS 290H - Fire Hoses & Teacups, 3 credit hours

An introductory research methods course designed to introduce the business student to foundational research skills and apply these skills to specific research topics. In this course, students will identify a research problem, complete background research, read published articles, summarize the findings, and develop their professional writing and presentation skills. The ability to take a fire hose of information and distil it into a teacup report will be a focus of this course!

BUS 305 - Introduction to Management, 3 credit hours

Prerequisite(s): Completion of 30 credit hours

This course examines the leadership activities of managers within organizations in various environments. It also analyzes the functions of management from a holistic or systems perspective with emphasis on behavioral interaction and integration to create organizational effectiveness. Students apply knowledge acquired to successfully meet individual and organizational challenges.

BUS 310I - Introduction to International Business, 3 credit hours

Prerequisite(s): Sophomore status or BUS 208.

This course is designed to give students an opportunity to become familiar with the particularities of conducting business in an international environment, by giving them the theoretical and practical foundations necessary to study this discipline in greater detail.

BUS 315 - Managing a Growing Venture, 3 credit hours

Prerequisite(s): BUS 330 or AMG 301

This course helps students understand the different functional areas involved in managing and growing an entrepreneurial enterprise. Students will gain a greater understanding of the interdependencies within an organization. Topics such as hiring employees, guerrilla marketing, networking, legal forms of an organization, relationship-building, advisory boards, and venture capital are explored, and financial issues confronting entrepreneurs are explored in broad terms.

BUS 325 - Organizational Project Management, 3 credit hours

Prerequisite(s): BUS 305

This course prepares students for the needs of work environments that are increasing project based. The course builds skills that allow managers to plan, organize, direct and control resources to achieve a specific objective. Managers working with large complex projects systematically break them down until they become a series of manageable tasks. Keeping these tasks occurring on schedule and within budget is the Project Managers' role.

BUS 326 - Legal Environment of Organizations, 3 credit hours

Prerequisite(s): Completion of 30 credit hours

Substantive private law, business associations, labor-management agreements, government regulations, and international law as they affect American business policies, practices and ethics are covered in this course.

BUS 328 - Business Law, 3 credit hours

Prerequisite(s): BUS 326

This course is a study of the law applicable to commercial transactions, property, debtor and creditor relationships as well as wills and trusts. It is recommended for the accounting major.

BUS 329 - Business Ethics, 3 credit hours

Prerequisite(s): Sophomore status and one completed BUS course

Business ethics provides an examination of moral problems facing organization managers with a focus on learning how to integrate ethical thinking with strategic thinking in shaping actions. Students analyze actual case problems, learning to use various ethical theories as a guide to clear thinking.

BUS 330 - Introduction to Marketing, 3 credit hours

Prerequisite(s): ECN 100 or ECN 201

Marketing involves understanding the changing wants of individuals and organizations, the development and distribution of goods and services to meet those wants, and the maintenance of satisfactory customer relationships. It includes all the activities necessary to get goods and services from the producer to the consumer. This course gives students an opportunity to participate in an analysis of marketing strategies and the evaluation and control of marketing programs.

BUS 331 - Services Marketing, 3 credit hours

Prerequisite(s): BUS 330

This course compares marketing of intangible services versus tangible products and how service characteristics affect marketing strategy. Students will learn to dissect services and service experiences, evaluate service delivery systems, and understand the role of service providers and customers. Students will explore service marketing concepts, theory, frameworks, and models to improve service development, service delivery, and service marketing strategies.

BUS 332 - B2B Marketing, 3 credit hours**Prerequisite(s):** BUS 330

This course provides an introduction to business to business (B2B) marketing, as well as an understanding of the marketing issues businesses face when their customers are other businesses – as distinguished from business to consumer (B2C) marketing for personal consumption. The emphasis will be on marketing management and decision making as it relates specifically to B2B marketing – including (but are not limited to) types of organizations as industrial customers, buying centers, segmentation, industrial selling, high technology developments, and ethics.

BUS 333 - Advertising Management, 3 credit hours**Prerequisite(s):** BUS 330

Advertising is studied as an integral part of our economic and social systems, and as a tool that has a direct impact on the manufacture, distribution, marketing and sale of tangible and intangible goods. Concepts and strategies include target markets, media selection, sales promotions, budgeting and evaluation techniques. Through case studies, students will receive hands on experience in developing an advertising campaign. Exposure to professionals in the field is provided by tours and lectures.

BUS 334 - Salesmanship & Sales Management, 3 credit hours**Prerequisite(s):** BUS 330

This course covers the practical aspects of the sales function and the job of the sales manager. Students will be given the opportunity to develop and demonstrate the skills, knowledge, attitudes and understanding necessary for the successful salesperson or sales manager.

BUS 336 - Brand Management, 3 credit hours**Prerequisite(s):** BUS 330

This course will provide students with an appreciation of the role of branding and will augment students' ability to think creatively and critically about the strategies and tactics involved in building, leveraging, defending, and sustaining brands.

BUS 337 - E-marketing, 3 credit hours**Prerequisite(s):** BUS 330

Students will develop e-marketing strategies to understand how the Internet impacts a firm's product, marketing communications messages, customer acquisition and retention, advertising, selling, distribution, and branding. Students will explore e-business models, segmentation, social media marketing, blogs, search engine marketing, email marketing, mobile marketing, Web site design, e-crm (e-customer relationship management), and e-marketing analytics.

BUS 338 - Consumer Behavior, 3 credit hours**Prerequisite(s):** BUS 330

What makes people do what they do? What makes people buy? What makes people buy from one company rather than another? This course will look at the nature of the purchase decision process. Theories, concepts, research methods and findings are explored and examined for use in marketing management decision-making.

BUS 340 - Biomimicry- Naturally Inspired Innovation, 3 credit hours

Biomimicry is an emerging field that is encouraging scientists, engineers, social scientists, and inventors to look more closely at nature's way of doing things as more sustainable than our human way. Nature has a rich and largely unexplored library of technologies that process and manage information, materials and energy. Students will both engage in the process of investigation as well as learn about opportunities for applications in various professional and vocational fields, thus broadening their career choices and desires. Students will have unique opportunity to learn and experience how biomimicry inspires and makes changes to various human activities and disciplines: business or organizational managers, architects, engineers, automotive and airplane industry, sustainable energy designers, biologists, entrepreneurs, builders and policy makers. Biomimicry is inspiring these various fields and societies to be more responsible and resilient, and to find and apply solutions to old and new problems in a more sustainable way.

BUS 341 - Behavioral Finance, 3 credit hours**Prerequisite(s):** Junior Standing

Behavioral finance is an approach to understanding financial phenomena that models decision-makers as less than perfectly rational actors. In trying to understand the specific ways in which behavior departs from full rationality, behavioral finance incorporates important findings from other social sciences, such as psychology, sociology, and economics. This course overviews traditional financial theory, considers perceived irrationalities in decisions and markets, and explores the social and psychological underpinnings of decision flaws.

BUS 342 - Corporate & Organizational Finance, 3 credit hours**Prerequisite(s):** ACC 211

This course is a study of the sources and uses of funds within an organization, the returns and risks related to an organization's working capital and capital budgeting decisions.

BUS 350 - Green Business, 3 credit hours**Prerequisite(s):** Completion of 30 credit hours

This course introduces the student to the new and rapidly growing field of corporate sustainability. Topics will include global ecological trends compelling the need for sustainable business, the "triple bottom line", total lifecycle analysis, green products and ecological design, sustainable supply chain analysis, long-term strategy, growing public, customer, government, and industry demands made on companies to heighten their levels of sustainability performance, and the ethical motivations that organizations can adopt for "green" performance. Case studies will focus on successful sustainability initiatives across a wide array of industries and organizational contexts as well as enduring challenges faced by businesses that aim toward sustainability.

BUS 351I - Global Strategies, 3 credit hours**Prerequisite(s):** BUS 310I

This course challenges the student to understand management of a multinational organization operating in a variety of national and cultural contexts. Strategic and tactical concepts will provide a framework for examining how organizations deal with the complex global environment.

BUS 352 - International Logistics, 3 credit hours**Prerequisite(s):** BUS 310I

This course provides students with an in-depth coverage of issues dealing with the international transportation of goods and the exchange of international trade documents: transportation choices, international insurance, import processes, and international payment alternatives.

BUS 357 - Introduction to American Health Care, 3 credit hours

This course explores the history, evolution and current state of health services delivery in the United States. The course provides an overview of the various healthcare stakeholders and their impact on cost, quality and access to care. This course also reviews the overall trends in healthcare including the current and future role of technology. Finally, this course provides an overview of career opportunities in healthcare.

BUS 358 - Business Communications, 3 credit hours**Prerequisite(s):** ENG 131 and Sophomore Status

This writing intensive course is designed to provide a practical application of business communication skills. Students will learn how to effectively communicate with various audiences. Competency will be developed in oral and written communication. Development of these skills is integrated with the use of technology.

BUS 359 - Faculty-student Collaboration, Credit hours to be arranged**BUS 360I - Political & Social Responsibility of Multinational Corporation, 3 credit hours****Prerequisite(s):** BUS 310I

This course examines the role of power and ethics in the conduct of international business. Actual cases are studied that demonstrate some of the dilemmas faced by the multinational corporation and the growing concern with

integrating the ethical and social concerns with business actions in a way that is beneficial to both business and society.

BUS 363(H) - Seminar, 1-3 credit hours

Junior-level seminars are open to juniors and seniors who have completed listed pre-requisites. Seminars study advanced contemporary business topics and may be taken more than once, provided that the subjects are different.

BUS 365 - Introduction to Business Analytics, 3 credit hours

Prerequisite(s): MTH 121, CSC 141, ECN 279

This course provides an introduction to the field of business analytics, which is defined as the use of data, statistical and quantitative analysis, exploratory and predictive models, and prescriptive analysis to drive corporate decisions and actions. The course starts off with a discussion of models to summarize, visualize and understand data. We use that selected data to build a sample of models to make decisions. The course takes additional steps to build smart models designed to make optimal decisions. The course uses Microsoft Excel Add-ins to expose students to the concepts and use of Data Mining (scuffle thru large amount of data to pull out useful information), and Optimization Models.

BUS 367 - Health Care Law and Ethics, 3 credit hours

Prerequisite(s): BUS 357 or Legal Studies Minor

This course focuses on the exploration of the ethical and legal aspects of contemporary issues concerning healthcare delivery. The potential interaction and conflicts among individual value/moral systems, ethical standards, legal and regulatory considerations are examined. This course will provide a working knowledge of health law enabling students to deal with common legal, regulatory, ethical and practical problems facing the industry.

BUS 377 - Health Care Finance, 3 credit hours

Prerequisite(s): BUS 357

This course examines the economic and regulatory environment as it affects health care organizations and provides a general economic framework for understanding public and private funding of healthcare in the U.S. This course also explores the trends in third-party funding as well as approaches to best manage this funding. Finally, this course compares the U.S. health care system to that of other countries; the emphasis of this comparison will be placed on funding and cost control as well as its impact on quality and access to care.

BUS 405 - Leadership Excellence, 3 credit hours

Prerequisite(s): BUS 305

Leadership is a dynamic and changing process encompassing a number of practical and theoretical constructs that are applicable to today's rapidly changing environment. This course explores various leadership dimensions as applied to power, influence, motivation, satisfaction, groups, teams, and change, to name a few. The course also studies leaders and leadership theories for the purpose of developing and shaping one's personal concept of leadership, and the application of various leadership approaches to different contexts. Additionally, not only will students explore leadership domestically, but also will engage in exploring global leadership and its application to different national settings.

BUS 406I - International Organizational Behavior and Management, 3 credit hours

Prerequisite(s): BUS 305. Students may not receive credit for both BUS 409D and BUS 406I

The course is designed to provide the student with theories and skills for understanding international organizational behavior. The individual, the project team, and the organization are the basic units of study and effective interpersonal behavior is presented as one of the most important factors in organizational change as it relates to various international contexts. Topics covered in this course include organizational & national culture differences, ethics & social responsibility, negotiation and conflict resolution, motivation, international human resource management, leadership and approaches to organizational change, to name a few.

BUS 409D - Behavioral Theories of Management, 3 credit hours

Prerequisite(s): BUS 305. Students may not receive credit for both BUS 409D and BUS 406I

This course is designed to provide the student with a behavioral science approach to organizations. Students will learn why we behave as we do in organizations and groups. The course will help the student understand how individual awareness effects performance as a manager and leader. Individual, group, and organizational differences and similarities are highlighted throughout the course. Students will begin to develop the interpersonal skills needed to be effective employees, managers, and leaders and improve the performance of organizations.

BUS 410 - Human Resource Management, 3 credit hours

Prerequisite(s): BUS 305

This course provides an overview of the various functions in the field of Human Resource Management. The functions of planning, selecting, compensating, appraising, training, and development are covered. Legislation and laws pertaining to these functions as well labor relations and health and safety are examined. Overall organizational strategy is incorporated into the application of all Human Resource functions.

BUS 411 - Compensation, 3 credit hours

Prerequisite(s): BUS 410 or permission of instructor

Theory and strategy behind organizational compensation practices are examined. Specifically, the behavioral aspects of compensation, the legal constraints, development of base pay systems, variable pay, executive compensation, benefits, and services are covered. Students become familiar with actual practices and application in organizations.

BUS 412 - Employment Law, 3 credit hours

Prerequisite(s): BUS 410 or POL 207

This course is a review of the historical foundations of Employment Law and Labor Law with a focus on current issues as reflected by recent agency and court rulings. Students learn about employee rights and relevant management practices to comply with Federal employment and labor laws.

BUS 413(X) - Staffing and Development, 3 credit hours

Prerequisite(s): BUS 410 or permission of instructor

This course provides a strategic overview of the Human Resource Planning function. Job analysis, recruiting, selection, training, development, retention, and appraisal are covered as key topical areas with a focus on the theoretical foundations and application of current practices.

BUS 415X - Entrepreneurship Capstone Experience, 3 credit hours

Prerequisite(s): BUS 215

Corequisite(s): BUS 315

In this capstone course, entrepreneurship students will complete an immersion into an entrepreneurial experience. Students will have the option of pursuing one of two paths depending on their personal interests: 1) develop a comprehensive business plan for a new venture idea, or 2) working with an external new venture to develop and refine the organization's business plan.

BUS 431 - Supply Chain Management, 3 credit hours

Prerequisite(s): BUS 305, BUS 330

This course is designed to cover the essentials of supply chain management, from purchasing to delivery, and includes concepts of transportation, inventory management, supplier selection, distribution, logistics and reverse logistics.

BUS 432 - Marketing Research & Information Systems, 3 credit hours

Prerequisite(s): BUS 330, ECN 279

The student will learn how to develop a marketing research project. An understanding of domestic and international marketing information needs and procedures will be covered. Students will be taken through the research process from purpose definition and proposal writing to final report writing and presentation. Data collection techniques will be offered to include current technologies and use of the internet.

BUS 436I - International Marketing, 3 credit hours**Prerequisite(s):** BUS 330

This course is a study of the peculiarities of marketing products and services overseas. An overview of the economic, political, cultural and infrastructure environments; determination of market size; use of segmentation variables; review of foreign buyer behavior; collection and analysis of foreign market research; determination of best method of entry; selection of optimum marketing strategies; and integration of all variables in a comprehensive marketing plan are covered.

BUS 444I - International Financial Management, 3 credit hours**Prerequisite(s):** BUS 342

This course is a study of foreign exchange markets, the management of foreign exchange exposure, multinational capital budgeting, international portfolio management, transfer pricing, multinational taxation, international securities, and interest rate risk management.

BUS 445 - Principles of Investments, 3 credit hours**Prerequisite(s):** BUS 342, ECN 279

This course emphasizes techniques of security analysis, evaluation of portfolios and investment strategies including the use of derivatives.

BUS 446 - Intermediate Finance, 3 credit hours**Prerequisite(s):** BUS 342, ECN 279

This advanced course covers selected topics in financial management such as financial analysis, forecasting, working capital management, capital budgeting, long-term financing, cost of capital and dividend policies.

BUS 447 - Financial Modeling Capstone, 3 credit hours**Prerequisite(s):** BUS 365 and BUS 446

This course is a hands-on, application-oriented tour of financial models used in corporate finance, investment analysis, and portfolio management. The course is designed to acquaint students the building of financial spreadsheet models and analyze financial decisions quantitative and graphically. The topics covered include but are not limited to asset return calculations, portfolio theory, the capital asset pricing model, option pricing models, bond pricing, equity valuation, LBOs and investment performance analysis. MS Excel is the primary tool to implement these financial models, however the course will also make use of statistics and probability. The purpose of this course is to provide participants with tools to assist them in making and supporting financial management decisions. In terms of subject matter, students should be comfortable with equity and fixed-income derivatives, portfolio math, reading financial statements, free cash flow projections, and cost of capital calculations such as WACC.

BUS 451 - Management Strategy & Policy, 4 credit hours**Prerequisite(s):** Completion of all required business administration courses.

This is the capstone course of the business major. Students learn to research and formulate top level strategic goals which enable the firm to adapt and grow with its changing environment. Students also learn how to implement strategic goals by integrating the functions learned in lower level courses. Real world case examples are used to apply the learnings.

BUS 454 - Organizational Leadership Capstone, 3 credit hours**Prerequisite(s):** BUS 213, 305, 326 or 329, 330, 405, 409D or 406I, ECN 100, MTH 121, PSY 100, 320, CAS 112, CSC 141

This capstone experience of the Organizational Leadership major is designed to synthesize current & previous coursework, practical work experience and theoretical concepts on leadership and systems thinking. It will stress both long-standing leadership paradigms as well as contemporary studies in leadership. The course will emphasize, develop, and identify the concept of personal leadership.

BUS 459 - Faculty-student Collaboration, Credit hours to be arranged

BUS 461H - Consulting Proposal Development, 4 credit hours

Open to students formally accepted into Business Honors, University Honors students who elect these course to satisfy upper level requirements, and business students with Business Honors Director approval.

BUS 463 - Seminar, 1-4 credit hours

Upper level seminars are open to juniors and seniors who have completed listed prerequisites. Seminars study advanced current business topics and may be taken more than once for credit provided the topic or subject area is different.

BUS 465 - Risk Management in Financial Institutions, 3 credit hours

Prerequisite(s): BUS 342, ECN 279

The course examines various types of financial institutions (banks, investment companies, insurance companies, etc.), the risks (credit risk, market risk, interest rate risk, etc.) inherent in the assets and liabilities of those institutions, and the tools and techniques available for measuring and managing those risks including portfolio diversification, duration, Value at Risk models, and RAROC. Note: This course satisfies the CPA Exam's requirements for "other business courses" but does not satisfy any portion of the "accounting hours" requirement.

BUS 487 - Problem Solving and Applied Health Care Management, 3 credit hours

Prerequisite(s): Completion of all required health care major courses

This course focuses on the investigation and study of problem solving and effective decision making within the dynamics of current health care organizations. This course also stresses problem identification, problem analysis, making decisions and recommendations and implementing solutions, and comparing results to a plan. The case method approach is used; management memos and senior research papers that incorporate critical thinking, quantitative analysis, conceptual and technical data analysis, and a formal presentation, are required.

BUS 495 - Innovation & Entrepreneurship Capstone Seminar, 3 credit hours

Prerequisite(s): BUS 215, BUS 315, declared INEN major

BUS 495 is a three credit capstone course for the Innovation and Entrepreneurship major, designed to give students an opportunity to synthesize the experiences and coursework of their first major and the Innovation and Entrepreneurship major into examples of developed conceptual and analytical skills needed by higher level managers in an innovative or entrepreneurial organization. The course will be team taught, involving faculty from the School of Business and from another division/school of the University who have been active participants in the Center for Innovation and Growth Faculty Fellows program. This course should be taken directly following or concurrently with BUS 415X - Entrepreneurship Capstone Experience, 3 credit hours. Students will engage in reflection about their experiences in the INEN major; will conduct an 'innovation audit' of an existing company; and will develop and present to an external audience a 'innovation and entrepreneurship plan' for an existing or hypothetical organization. The last two projects are intended for students to use as examples of their skills and mindset to present to potential employers, venture capitalists, and/or graduate school admissions committees.

BUS 496 - Industrial and Organizational Capstone Project, 4 credit hours

Prerequisite(s): BUS 410 or PSY 280

The capstone course will require students to apply learning from coursework in the Major to a project with an outside profit or non-profit organization. Students will learn the consultative process and develop and utilize skills in marketing ideas, influencing decision-makers, and interacting with various organizational constituencies. Students will implement business and behavioral science research knowledge and skills in order to address and solve organizational needs and problems. The capstone requires extensive oral and written communication skills in order to complete an applied and/or research project.

BUS 500A - Financial Accounting, 3 credit hours

This course is designed to develop a working knowledge of the basic accounting system. The primary focus is on financial accounting and its effect on the business entity.

BUS 500Q - Quantitative Analysis, 3 credit hours

This is a course for individuals who have limited skills in Excel, algebraic techniques or statistical analysis. Students are exposed to statistical models and applications for quantitative methods in modern management.

BUS 501 - Systems Management & Organizational Theory, 3 credit hours

The dynamic interplay of economic, technological, global and competitive forces, to name of few, affect small businesses, large corporations, government and society. These varied organizations are challenged to achieve efficiency and effectiveness in this ever-changing arena. In this course, students will learn to identify, interpret and utilize knowledge acquired in the areas of systems thinking, organization theory & design, and strategic awareness to deliberately design organizations that can successfully respond to these challenges. This course pays special attention to the fit between the organization and its members with an internal emphasis on working together to achieve the organization's vision while members achieve personal mastery.

BUS 503 - Human Capital Management, 2 credit hours

This course provides students with the concepts and applications to function as a leader in their organizations with the skills to cultivate, and maintain the effective relationship between individuals and the organizations. Strategic human capital is viewed as a critical element of a successful organization that includes the process of developing and retaining employees to engage and achieve objectives, innovate, and maximize organizational and individual success. This course prepares students to ethically develop and maintain human capital while learning the best practices to do so.

BUS 504 - Negotiation & Conflict Management, 2 credit hours

This course will develop student understanding of the principles, strategies, and tactics of effective negotiation and professional conflict management. Students will also increase awareness and understanding of ethical principles and stakeholder considerations that influence the choices offered and made in transactions and relationships.

BUS 505 - Leadership and Teams, 3 credit hours

This course covers leadership & followership from an individual perspective, and allows for the self-exploration of each student's leadership potential. Regarding leadership, it explores the characteristics of great leaders, and the degree to which leadership is inborn versus a product of personal growth and experience. Team building is a critical function of management and leadership. The scope and focus is the study of group dynamics and team building theory with an experiential component. It also involves a study of behavioral, conflict and leadership style and an analysis of organizational team functioning.

BUS 509 - Organizational Behavior, 3 credit hours

Prerequisite(s): BUS 501

This course provides an analysis of behavioral science approaches to organizations stressing the implications of theoretical concepts on managerial practice. The course provides various approaches to viewing organizations, including the open systems model, principals of organizational behavior, community planning, constituency development, organizational change concepts, and the renewal process. Topics are examined at the levels of individual, group and organizational. Additional topics emphasized include leadership, individual needs and organization requirements, group processes, motivation & job satisfaction, global management, communication, organizational change and development.

BUS 526 - Operations Analysis Models, 3 credit hours

This course will utilize Excel to analyze models often seen in operational environments. Students will learn how to break down, analyze, display and make recommendations based on large data sets. Students will also explore forecasting techniques. Other operational models and other topics may also be utilized including: PERT/CPM, Quality, Six Sigma, Lean, Inventory, Learning Curves, Queueing.

BUS 528 - Business Law, 3 credit hours

Prerequisite(s): BUS 326 for Accounting 3/2 Program Students

A study of law applicable to commercial transactions, property, debtor and creditor relationships as well as wills and trusts. Recommended for accounting emphasis.

BUS 529 - Business Ethics, 3 credit hours

Prerequisite(s): Sophomore status & one BUS course for Accounting 3/2 Program Students

An examination of moral problems facing organization managers with a focus on learning how to integrate ethical thinking with strategic thinking. Students analyze actual case problems, learning to use various ethical theories as a guide to problem solving.

BUS 544 - Financial Management, 2 credit hours

The course covers the basic concepts, tools, and techniques needed to make financial decisions. The topics covered in this course will include, Financial Tools (Ratio Analysis, Time value of money – PV, FV, NPV, IRR, Payback, PI etc. in evaluating projects), Valuation of Securities and Projects (Fixed Income, equity), and Risk and Return.

BUS 546 - Intermediate Finance, 3 credit hours

An advanced course covering selected topics in financial management such as financial analysis, forecasting, working capital management, capital budgeting, long-term financing, the cost of capital and dividend policies.

BUS 548 - Accounting for Managers, 3 credit hours

This course is designed to enhance the manager's ability to use relevant financial information to prepare effective managerial reports. Emphasis is placed on improving decision making abilities through the understanding of cost accounting systems applied to management models.

BUS 551 - Strategic Marketing, 3 credit hours

This course focuses on the managerial decision-making process of market segmentation, targeting, positioning, branding, pricing, delivering customer value, customer relationship management, consumer behavior, marketing online, leveraging databases, return on marketing investment, and the ramifications of marketing decisions. The course examines how marketing has been transformed by globalization, hyper-competition, industry consolidation, and technology. Students will develop both strategic and tactical marketing skills by working on real-world products/services using market research, segmentation approaches, international and product life cycle management, and financial analysis.

BUS 555 - Principles of Investments, 3 credit hours

This course emphasizes techniques of security analysis, evaluation of portfolios and investment strategies including the use of derivatives.

BUS 558 - Business Communications, 3 credit hours

A course designed to improve the students command of the English language in typical business writing, with analysis and writing of various types of business letters, and study of report writing, including collecting data, organization of material, writing style and various uses of reports in business and industry.

BUS 563 - Seminar, 3 credit hours

This course will be offered as needed to cover topics of interest, e.g., Financial Statement Analysis, Fraud Examination, etc. It is also available to any student wanting to study an accounting or finance elective topic at a more advanced level or for studying an accounting or finance topic that is not currently offered in the curriculum. It may be taken more than once for credit provided the subject matter is different.

BUS 565 - Risk Management in Financial Institutions, 3 credit hours

The course examines various types of financial institutions (banks, investment companies, insurance companies, etc.), the risks (credit risk, market risk, interest rate risk, etc.) inherent in the assets and liabilities of those institutions,

and the tools and techniques available for measuring and managing those risks including portfolio diversification, duration, Value at Risk models, and RAROC. Note: This course satisfies the CPA Exam's requirements for "other business courses" but does not satisfy any portion of the "accounting hours" requirement.

BUS 581 - Managerial Economics, 3 credit hours

This course presents an introduction to economic issues relevant to modern day managers. The course coverage includes a range of both microeconomic and macroeconomic subjects. The course allows students to apply microeconomic theory to firm management, and learn how to use microeconomics to enhance decision making. Further, the course introduces students to macroeconomic indicators and their importance to business performance. Topics covered include demand and supply analysis, consumer theory, market price and output, production, cost, simple competitive market equilibrium, simple monopoly pricing and output determination, price discrimination, and bundling for the microeconomics portion of the course. The macroeconomics section will cover unemployment, inflation, monetary and fiscal policy, economic growth, the causes and consequences of recessions, and issues in global economics.

BUS 590 - Corporate Citizenship in a Globalized Economy, 2 credit hours

This course explores complex ethical challenges and responsibilities related to the management of corporations in a globalized economy. They include ethics within corporate culture, corporate citizenship, relationships to communities, cross-cultural awareness, and trends in sustainability.

BUS 591 - Global Business, 2 credit hours

The course is designed to provide the student with an in-depth understanding of the various pragmatic components, or areas of discipline, that are associated with organizations contemplating, or who are currently involved in the international marketplace. Today's global economic and competitive environment dictates that organizations look beyond their traditional national markets in order to sustain growth and to capitalize on emerging opportunities.

BUS 591T - Global Business in China, 2 credit hours

This course provides an introduction to the dynamic and complex issues involved with doing business in China. Students will explore the complex processes causing rapid change and the pressing problems businesses face in China. Issues to be addressed will include rapid economic growth and development, environmental pollution, the hegemonic role of the government, and China's emergent role in the global community. The focus is primarily on the contemporary Chinese society, but reference to other countries, particularly the United States, will be made where appropriate.

BUS 611 - Compensation, 3 credit hours

Theory and strategy behind organizational compensation practices are examined. Specifically, the behavioral aspects of compensation, the legal constraints, development of base pay systems, variable pay, executive compensation, benefits, and services are covered. Students become familiar with actual practices and application in organizations.

BUS 612 - Employment Law, 3 credit hours

This course is an overview of the laws affecting the workplace in the United States and interpretation of them as reflected in agency and court rulings. Through a case study approach, the course will stress the practical application of the employment laws and rulings to Human Resource Administration.

BUS 613 - Staffing and Development, 3 credit hours

This in-depth course explores the theory and practices involved in acquiring and developing an organization's workforce. Topics include workforce planning, job analysis, assessment, recruiting, selection, training and development. Course explores these topical areas with a focus on practical application.

BUS 626 - Business Analytics I, 3 credit hours

This course explores the computer models necessary to deal with the complex relationships making up an integrated system. Linear regression, forecasting/time series, linear programming, simulation, and probabilistic decision models

are studied. The emphasis is on the description of common management problems in terms of these models, the solution of such models, and the analysis of the results for making decisions from a systems perspective.

BUS 627 - Business Analytics II, 3 credit hours

This course expands the computer models necessary to deal with the complex relationships making up an integrated system. Logistic and non-linear regression, data visualization, K nearest neighbors and the use of specialized software are studied. The emphasis is to perform analyses used in modern decision making.

BUS 628 - Applied Marketing Analytics, 3 credit hours

This course encompasses the collection and analysis of information from the web, including web-based surveys, web analytics, online communities, blog scraping, and web spiders to support marketing strategy and performance. Three areas will be examined: *Data visualization* of complex data and models for discerning patterns using graphical representations; *Network analysis* of social media and mobile data for actionable strategic insights, and *Website Analytics* data mining for measurement of offline marketing, channel performance, and return on marketing investment.

BUS 630 - International Marketing Strategy, 3 credit hours

Strategic marketing management approach to the marketing mix--product, price, promotion and distribution--within the international context.

BUS 635 - Intro to Entrepreneurship Strategy, Feasibility, Business Planning & Analysis, 3 credit hours

Students will be exposed to the relationship of entrepreneurship and strategy, and sensitized to the fact that successful entrepreneurs are able to notice the possibilities that many other people miss and (more importantly) are able to find the means to turn these possibilities into action – bringing to market something new, novel and uses – inside a corporation or as a brand new venture. This course teaches how to structure the first outline business plan and explores the various forms ventures may take, including describing the company and registration. Students will learn that developing a business plan forces them to introduce discipline and thought process into all of their planning activities.

BUS 636 - Entrepreneurial Strategies for Sustaining Growth in the Established Company or Exiting, 3 credit hours

This course will cover several topics that are important as ventures grow. These include the key areas of money management, profitability, bankruptcy, and the sensitive issues of "exiting" the company. In addition, the importance of revisiting strategy on a regular basis, revamping structure as warranted, building and maintain a strong culture, hiring and firing, will be discussed.

BUS 637 - Entrepreneurship Immersion, 3 credit hours

Topics as identified. Topics may include successful consultation, entrepreneurial finance, creation of new products, processes, ventures.

BUS 644 - Financial Management II, 3 credit hours

Prerequisite(s): BUS 544

This course builds upon the knowledge of Finance gained in Financial Management 1. The goal of the course is to make a student more operational in the sense that the student is better trained to be in a position to do financial analysis. The course is structured to provide greater depth on core issues of valuation, capital budgeting, capital structure, cost of capital, working capital management, and the workings of the foreign currency markets. The course will draw upon learning the necessary theory and utilize mini cases to achieve the desired objective. The topics covered by this course include: In-depth review of financial tools e.g. Time of value of money, Project Evaluation (Capital budgeting techniques, Risk analysis), Long term Financial Decisions (Capital Structure), Short Term Financial Decisions (Working Capital Management), International finance (Foreign Exchange Market and Risk prevention).

BUS 645 - Project Management, 3 credit hours

This course provides students with the basic knowledge in project management according to the Project Management Body of Knowledge (*PMBOK® Guide*). It provides project managers with the fundamental practices needed to achieve organizational results and excellence in the practice of project management. The course is aligned with the current *PMBOK® Guide* covering the following knowledge areas: Integration Management, Scope Management, Schedule Management, Cost Management, Procurement Management, Quality Management, Resource Management, Communication Management, Risk Management and Stakeholder Management.

BUS 650 - International Financial Management, 3 credit hours

This course introduces the operation of international financial markets and risk management in the global environment to equip students with the skills to make financial decisions in the global market.

BUS 652 - International Strategic Logistics, 3 credit hours

This course is designed to give the students a working knowledge of the logistical challenges associated with international trade. While a good portion of the course content will be quite pragmatic, the course will attempt to build a strategic framework for the logistical function in a multi-national company.

BUS 653 - Introduction to Sustainable Business, 3 credit hours

Students will gain an understanding of how business professionals use sustainability principles as drivers for innovation and how to incorporate this strategic thinking into their own career paths. Students will learn how business decisions benefit from taking into account impacts of social and ecological capital. Topics will include the "Triple Bottom Line" approach as a catalyst for organizational innovation and corporate performance, and corporate motivations for engagement in sustainability.

BUS 654 - Environmental Science and Regulation for Sustainable Business, 3 credit hours

This course provides students with basic scientific knowledge essential for understanding the problems and potential solutions associated with human-induced environmental challenges, including a review of the scientific method, ecosystem structure and function, and an examination of environmental issues related to human population dynamics, energy production and consumption, climate change, land use, transportation, food resources, water resources, and waste generation & management. The course also focuses on government regulatory environments (local to federal) that impact a firm's sustainability behavior and performance. Students are challenged to think critically about the environment in which we live (local to global) and how it pertains to personal and professional decisions we make each day.

BUS 655 - Applied Project, 1-3 credit hours

The Applied Project is an individual project. Students will identify or select a project opportunity within a for profit business, not for profit business, or new business venture to apply coursework for this project. Students will conduct an in-depth analysis and then make recommendations and/or implement a solution to address a current organizational problem, enhance organizational effectiveness or competitiveness, or explore and evaluate new business opportunities.

BUS 657 - Managing Change, Creativity & Innovation, 3 credit hours

This course will bring together comprehensive aspects of change management, creative problem solving, and organizational growth with systems thinking. The course will be designed to use relevant and timely case study materials, interviews, reflective questions, and hands-on experiential opportunities. Specific topic in the course will include (but not be limited to) The Process of Change, Creativity and Innovation; Growth in the Creative Economy and the Future of Organizations; The Individual – Promoting Critical Thinking; The Group – Nurturing Team Work; The Leader – Promoting New Ideas at Work; The Culture – Enabling and Constraining Creative Processes at Work; and the Organization – Managing Processes of Change.

BUS 662 - Greener and More Sustainable New Products & Services, 3 credit hours

Evolving principles of sustainable management will be applied to the critical task of designing, producing, marketing, servicing, and disposing of sustainable products and services. The course will create a learning laboratory for

developing sustainable products and services, examining historic, current, and future examples of sustainable products and services - with attention to evolving definitions of sustainable products. Life Cycle Analysis, assessment and management of product supply chains, creation of environmental product differentiation with benefits to the consumer will also be a major area of emphasis. The course introduces a new and emerging discipline of looking to nature as a model for more sustainable and innovation. Biomimicry--the conscious emulation of life's genius – is the basis for innovation inspired by nature, a new approach and mindset for creatively designing new and improved products and services. This class will explore past, present and future examples of biomimetic solutions to human problems. Lessons learned can then be used to improve on our own creative processes leading to a greener and more sustainable outcomes and inventions.

BUS 670 - Strategic Management, 3 credit hours

Prerequisite(s): 30 credit hours

This capstone course represents the culmination and integration of the student's MBA coursework throughout the MBA program. The art and science of strategic analysis, planning and development, implementation and execution, along with competitive assessment and overall enterprise management is the focus of the class. The student learns to apply the knowledge acquired in the classroom environment to a company that is a major player in its industry and/or in a simulated business strategy game. The competency gained will enable the student to formulate decisions based on rigorous analysis, and enable them to implement decisions, given the organization's capabilities and limitations.

BUS 701 - Organizational Theory & The Systems Approach to Management, 3 credit hours

This course introduces executives to the systems approach to management. It is an overview of the theories of general systems, systems-thinking, and the systems approach to management. Executives apply the systems approach to building systems models of the organizations represented in the class. These models provide an understanding of the interdependencies in a variety of complex organizations and help managers learn to make more effective decisions for their organizations.

BUS 702 - Organizational Theory & The Systems Approach to Management, 3 credit hours

This course introduces healthcare executives to factors that challenge organization design and effectiveness. It incorporates an overview of general systems theories, organizational theory, and healthcare dynamics (e.g. value-based healthcare, etc.), which are of central concern today. Executives apply the above approaches and build systemic models, which provide an understanding of the interrelationships and interdependencies in a variety of complex healthcare environments helping managers make effective decisions for their organizations.

BUS 705 - Accountability of Financial Resources, 3 credit hours

This course emphasizes the use of the accounting system to provide decision-making information to the manager. Cost accounting data are applied to management models of the firm, especially those models dealing with alternative choice situations such as pricing, factor and product combinations and capital budgets. Financial principles and analysis are coupled with accounting data for specialized types of business situations requiring executive decisions. Case problems provide the basis for intensive study of the subject area.

BUS 706 - Accountability of Financial Resources, 3 credit hours

This course emphasizes the use of the accounting system to provide decision-making information to the manager. Cost accounting data are applied to management models of the firm, especially those models dealing with alternative choice situations such as pricing, factor and product combinations and capital budgets. Financial principles and analysis are coupled with accounting data for specialized types of business situations requiring executive decisions. Case problems provide the basis for intensive study of the subject area.

BUS 709 - Micro–Organizational Behavior, 3 credit hours

This course is designed to provide the manager with behavioral science approaches to organizations. It will stress the implications of theoretical concepts and their effect on managerial practice. Topics are examined at the levels of the individual, group and organization. A participative and experiential learning approach is used to examine topics such as leadership, teamwork, global management, communication & conflict management, individual personality,

organizational change & development and strategic HR management. Special attention is given to current literature relating to the relevant OB topics and Health Care Management.

BUS 711 - Senior Management Issues, 3 credit hours

An overview of contemporary issues confronting senior leaders in today's highly competitive global business environment. Topics include business valuation, portfolio restructuring, strategic decision making, issues of sustainability, the role of boards of directors, corporate governance and other current issues.

BUS 712 - Applied Health Care Analytics, 3 credit hours

Applied Health Care Analytics will investigate topics in Management Science such as Linear Programming Models, Regression Analysis Models, Monte Carlo Simulation Models and some Time Series Forecasting models with the sole objective of equipping Health Care professionals with skills to employ Data analytics tools to transform raw data into meaningful and useful information to help or aid in decision making process. Applied Health Care Analytics will also attempt to bridge the gap between Data Analytics and finance topics such as Financial Analysis, Cost Accounting and Managerial Accounting by assessing the business and financial implications of decisions made as a result of applying data analytics tools. In addition, Applied Health Care Analytics will also review and discuss Health Care specific case studies on Data analytics as well as invite Health Care Data Analytics experts to discuss specific areas of application and the benefits of Data Analytics in the health care industry.

BUS 742 - Micro-organizational Behavior, 3 credit hours

This micro-perspective on organizational behavior deals with both the individual and small groups. Executives develop a basic conceptual understanding of the causes of behavior (theories of motivation, learning, perception, communication, personality and decision-making) and develop tools with which to change behavior. Research findings, supporting the hypotheses and relationships among personal and environmental causes and behavioral outcomes, are integral to the course. This course has a strong experiential base and a heavy emphasis on process.

BUS 746 - Financial Management, 3 credit hours

Analysis of financial information is central to financial control, forecasting and decision making. It also is central to the evaluation of customers, competitors or merger candidates. This course gives executives insight into financial statement analysis, cash flow projections, capital budget evaluation, working capital management and the primary methods of financing the corporation. Various measures of risk and methods of assessing the risk-return trade-off are also presented.

BUS 747 - Operations Management, 3 credit hours

This course develops a systems approach to the analysis of senior managerial operating problems. Computer, quantitative, and behavioral models are used to formulate operating decisions consistent with an organization's competitive strategy.

BUS 748 - Financial Management, 3 credit hours

Analysis of financial information is central to financial control, forecasting, and decision making. It also is central to the evaluation of managed care operations, competitors, or merger candidates. This course gives students insight into financial statement analysis, cash flow projections, capital budget evaluation, working capital management, and the primary methods of financing the corporation (both for-profit and not-for-profit models are emphasized). Various measures of risk and methods of assessing the risk-return trade-off are also presented. Examination of actual institutions is incorporated into the course.

BUS 749 - Operations Management, 3 credit hours

This course develops a systems approach to the analysis of senior managerial operating problems. Computer, quantitative, and behavioral models are used to formulate operating decisions consistent with an organization's competitive strategy.

BUS 758 - Health Care Law & Ethics, 3 credit hours

This course covers major legal aspects and regulation of American health care institutions and medical practice, and ethical issues that arise in health care delivery. The emphasis will be on learning how to think critically by identifying legal issues in health care situations.

The goal of this class is not for students to become experts in the law, but for students to be able to identify potential legal issues in their work. For instance, the goal is not for students to be able to perform a complicated Stark Law analysis, but instead for the student to be given tools for identifying when a Stark Law problem may exist in a certain scenario and to be able to know when to ask for legal assistance.

BUS 759 - Health Care Policy, 1 credit hour

This course discusses the policy development process at the federal and state levels, reviews major health policy milestones and the current state of policy development. Comparisons are drawn to health policy/systems in other countries. An introduction to business and health law is provided including corporate structures, governance, liability and government regulatory compliance.

BUS 760 - The Marketing Environment, 3 credit hours

An organization must deal with strategic and tactical issues on a domestic and global basis if it is to maintain an effective marketing organization. The course places special emphasis on the determination of longer term marketing strategy, the building of shorter term tactics, and the significance marketing has in the strategic direction of the firm. Emphasis is given to the examination of competitive operations and practical marketing problems confronting executives. Topics include target marketing, marketing research basics, branding, consumer behavior as well as advertising.

BUS 761 - The Marketing Environment, 3 credit hours

An organization must deal with strategic and tactical issues on a domestic and global basis if it is to maintain an effective marketing organization. The course places special emphasis on the determination of longer term marketing strategy, the building of shorter term tactics, and the significance marketing has in the strategic direction of the firm. Emphasis is given to the examination of competitive operations and practical marketing problems confronting executives. Topics include target marketing, marketing research basics, branding, consumer behavior as well as advertising.

BUS 765 - Strategic Leadership and Organizational Effectiveness, 1.5-3 credit hours

The macro-perspective provides a broader view of organizational effectiveness by dealing with the organization's major sub-units rather than individuals and small groups. This perspective deals with top management team behavior as well as with overall design and efficiency of the organization. The macro-route to organizational change includes design of individual roles and organizational structures, leadership, culture, climate, relationships among roles, and leading change. A field activity culminating in an organizational recommendation to support strategic change is a major focus of the course.

BUS 766 - Strategic Leadership and Organizational Effectiveness, 3 credit hours

The macro-perspective provides a broader view of organizational effectiveness by dealing with the organization's major sub-units rather than individuals and small groups. This perspective deals with top management team behavior as well as with overall design and efficiency of the organization. The macro-route to organizational change includes design of individual roles and organizational structures, leadership, culture, climate, relationships among roles, and leading change. A field activity culminating in an organizational recommendation to support strategic change is a major focus of the course.

BUS 771 - The Economic System, 3 credit hours

This course gives executives an understanding of how the US economy operates, so that they will understand the national economic environment in which their own firm operates both now and in the future. Descriptions are presented from an intuitive perspective rather than from a mathematical/theoretical perspective. Emphasis is placed on readily available sources of important data about the economy's recent performance, on interpreting those data, and on obtaining and evaluating forecasts of the economy's future performance. The forces influencing economic

growth, interest rates, inflation, employment and living standards are studied. Government policies for influencing the economy are examined together with the organization of policy-making bodies and the motivations of policy makers.

BUS 772 - Health Economics, 3 credit hours

The value of economics stems from its usefulness in making sense out of complex economic and social issues, including issues in healthcare. This course will use economics and integrated systems thinking to better understand the interrelationships between our healthcare stakeholders in order to foster a true shared vision that benefits the stakeholders and society as a whole. This course will also allow you to better understand the mechanisms of the health care delivery system within the broad social, political, and economic contexts. Finally, this course will use economics as a framework to better analyze public health policy.

BUS 781 - Global Management & Multinational Business Operations, 3 credit hours

Globalization of US business is proceeding at an accelerating pace. Executives are introduced to techniques for managing this economic transformation both at home and abroad. The course reviews the development and current role of the multinational enterprise. Major features of international trade and the challenge of managing organizations across national borders are covered. Executives learn how to respond to international challenges by developing or critiquing international corporate strategies and operations.

BUS 800 - Power and Ethics in the Management of Organizations, 3 credit hours

Leadership has to do with power and influence. Ethics is used by some companies to mean compliance with a set of rules. The Greek word for ethics translates to character, which is about choice rather than compliance. The focus of this course will be to integrate leadership (power) and ethics (from both character and compliance perspectives). The course will also apply a stakeholder model to explore the challenges of creating sustainable economic and social value.

BUS 801 - Applied Ethics in Health Care Management, 2 credit hours

Ethics is the branch of philosophy that focuses on morality; Applied Ethics is the study of morality in our daily lives. This course provides an overview of health care leadership and biomedical ethics for health care institutions, medical practice, health care delivery, public policy, and society. The emphasis throughout the course is on how to think critically, applying basic knowledge of the topics to contemporary issues in health care and society.

BUS 870 - Policy Formulation and Strategic Management, 1.5-3 credit hours

This capstone course represents the culmination of the executives' two-year program. The science of strategic analysis and strategic management is taught along with competitive assessment, and strategic planning. The student learns what it's like to be the CEO, by taking these skills, and applying this knowledge real time within an actual organization. In the process, the executive learns how to formulate decisions based on the analysis, and how to implement these decisions, given the organization's capabilities and limitations. The executives develop a multi-year strategic blueprint for the company and make an executive presentation of the plan to the senior management of the organization.

BUS 871 - The Strategic Management of Health Care Organizations, 3 credit hours

This capstone course represents the culmination of the executives two-year program. The science of strategic analysis and strategic management is taught along with competitive assessment, and strategic planning. The student learns what its like to be the CEO, by taking these skills, and applying this knowledge real time within an actual organization. In the process, the executive learns how to formulate decisions based on the analysis, and how to implement these decisions, given the organizations capabilities and limitations. The executives develop a multi-year strategic blueprint for the company and make an executive presentation of the plan to the senior management of the organization.

Chinese

CHI 101 - Elementary Chinese I, 4 credit hours

Introduction to Chinese language and culture for students with no or little previous experience. Students learn about 100 characters to help them understand basic texts such as songs and poems. Use of videos and internet help the learners gain a better understanding of Chinese culture.

CHI 102 - Elementary Chinese II, 4 credit hours

Prerequisite(s): CHI 101 or equivalent

This second course continues the introduction of simple Chinese characters. Students learn 100 more characters to help develop their reading and writing skills. Teaching of culture is an integral part of the course.

CHI 201 - Intermediate Chinese I, 4 credit hours

Prerequisite(s): CHI 102 or equivalent

This third course continues building on the students' previous Chinese knowledge by introducing new vocabulary, characters, grammar and usage. Students who complete this course should be able to initiate discussion on topics of daily life, understand more complicated sentences and write short compositions. Mandarin pronunciation is taught.

CHI 202 - Intermediate Chinese II, 4 credit hours

Prerequisite(s): CHI 201 or equivalent.

This course begins the second volume of the textbook introducing additional characters with more complicated dialogue and sentence patterns with continued practice of Mandarin pronunciation. Students will read and discuss supplemental materials including Chinese proverbs and folk stories.

Chemistry

CHM 050 - Independent Study, 1-4 credit hours

CHM 070 - Internship, 1-12 credit hours

CHM 111 - General Chemistry I, 4 credit hours

Prerequisite(s): Three years high school mathematics or equivalent. High school chemistry is highly recommended. CHM 111 is a prerequisite for CHM 112

An introduction to chemical principles including the electronic structure of atoms and molecules, chemical reactions, reaction and solution stoichiometry, thermochemistry, and gas laws.

CHM 112 - General Chemistry II, 4 credit hours

Prerequisite(s): CHM 111

Corequisite(s): Concurrent registration in CHM 115 required.

Continuation of CHM 111. Topics include chemical kinetics, equilibrium, acid-base chemistry, chemical thermodynamics, and electrochemistry.

CHM 115 - General Chemistry Lab, 1 credit hour

Prerequisite(s): CHM 111

Corequisite(s): CHM 112

A one-semester laboratory companion course to General Chemistry. Experiments focus on techniques of chemical measurements and strategies for solving chemical problems in the laboratory.

CHM 120 - U.S. Chemical Industry, 3 credit hours

This course, designed for non-chemistry majors with little to no science background, explores the U.S. Chemical Industry, including many products manufactured in various segments of the industry as well as environmental and human health effects of chemical use.

CHM 150 - Introductory Chemistry, 3 credit hours

Prerequisite(s): High school mathematics through algebra

An introduction to chemical principles that address topics required for a middle school science education major.

A lab component is included in this course.

CHM 221 - Quantitative Analysis, 3 credit hours

Prerequisite(s): CHM 112, CHM 115

Corequisite(s): Concurrent registration in CHM 225 required.

Introduction to chemical methods of quantitative analysis, including classical and volumetric, a discussion of error and uncertainty in measurements, and elementary statistics. Discussion also covers the underlying physical and chemical theories and laws with emphasis on chemical equilibrium.

CHM 225 - Quantitative Analysis Laboratory, 1 credit hour

Corequisite(s): Concurrent registration in CHM 221 required.

Introduction to classical techniques for analytical chemistry including titrations and use of volumetric glassware.

Lab: One three-hour lab per week.

CHM 251 - Organic Chemistry I, 4 credit hours

Prerequisite(s): CHM 112 and CHM 115 or permission of the instructor.

Corequisite(s): Concurrent registration in CHM 255 required.

Introduction to structure and bonding of organic molecules. Organic reactions and reaction mechanisms, including acid-base, nucleophilic substitution, elimination, and electrophilic addition, will be studied with a focus on alkanes, alkenes, alkynes, alkyl halides, and alcohols.

CHM 252 - Organic Chemistry II, 4 credit hours

Prerequisite(s): CHM 251, CHM 255

Corequisite(s): Concurrent registration in CHM 256 required.

Continuation of CHM 251. Organic reactions, reaction mechanisms, and organic syntheses, including electrophilic aromatic substitution, nucleophilic addition, and nucleophilic acyl substitution will be studied with a focus on aromatic compounds, ketones, aldehydes, amines, carboxylic acids and their derivatives.

CHM 255 - Organic Chemistry I Laboratory, .5 credit hour

Corequisite(s): Concurrent registration in CHM 251 required.

Introduction to the fundamental laboratory techniques used in the laboratory for the synthesis and analysis of organic compounds.

Lab: One three-hour minimester lab per week.

CHM 256 - Organic Chemistry II Laboratory, 1 credit hour

Corequisite(s): Concurrent registration in CHM 252 required.

Continuation of CHM 255.

Lab: One three-hour lab per week.

CHM 281 - Environmental Chemistry, 3 credit hours

Prerequisite(s): CHM 112, CHM 115, 251, 255.

Corequisite(s): Concurrent registration in CHM 285 required.

The focus of the class is the chemical basis of the environment. The principles of stoichiometry, solution chemistry, and atmospheric chemistry will be examined as they apply to environmental systems.

CHM 285 - Environmental Chemistry Laboratory, 1 credit hour

Prerequisite(s): CHM 112, CHM 115, 251, 255.

Corequisite(s): Concurrent registration in CHM 281 required.

This course uses laboratory methods to examine environmental samples.

Lab: One three-hour lab per week

CHM 311 - Biochemistry, 3 credit hours

Prerequisite(s): Grade of C- or better in CHM 251 and CHM 252. BIO 121 is highly recommended.

Corequisite(s): Concurrent registration in CHM 315 required.

An introduction to the chemistry of biological systems including proteins, enzymes, nucleic acids, lipids and carbohydrates. An overview of metabolic processes will be presented. Successful completion of BIO 121 or the equivalent is highly recommended.

CHM 315 - Biochemistry Laboratory, 1 credit hour

Corequisite(s): Concurrent registration in CHM 311 required.

An introduction to the experimental design of analytical protein purification protocols and assaying proteins.

Lab: One three-hour lab per week

CHM 321 - Instrumental Analysis, 3 credit hours

Prerequisite(s): Grade of C- or better in CHM 221.

Corequisite(s): Concurrent registration in CHM 325 required.

The theory and principles of instrumental methods of analysis, with emphasis placed on spectroscopic (UV/VIS, IR, AA), mass spectrometric, and chromatographic methods of analysis.

CHM 325 - Instrumental Analysis Laboratory, 1 credit hour

Corequisite(s): Concurrent registration in CHM 321 required.

This course offers practical experience with instrumental methods of analysis.

Lab: One three-hours lab per week

CHM 331 - Physical Chemistry, 3 credit hours

Prerequisite(s): MTH 142 & Grade of C- or better in CHM 221.

Systematic study of thermodynamics and statistical mechanics applied to chemical systems.

CHM 332 - Physical Chemistry II, 3 credit hours

Prerequisite(s): MTH 142 & Grade of C- or better in CHM 221.

Systematic study of quantum mechanics and spectroscopy applied to chemical systems.

CHM 335 - Physical Chemistry Lab, 1 credit hour

Prerequisite(s): MTH 142 & CHM 221/225. Minimum grade C- in CHM 221.

This laboratory course introduces the chemistry major to advanced physical measurement, modeling and experimental design, incorporating elements of chemical kinetics, spectroscopy, thermodynamics and computational chemistry. In addition, students are expected to employ scientific inquiry in designing an investigation, make use of primary scientific literature and communicate their work by oral presentation, poster presentation or journal-style article using accepted professional standards.

CHM 341 - Inorganic Chemistry, 3 credit hours

Prerequisite(s): Grade of C- or better in CHM 251 and CHM 252.

Corequisite(s): Concurrent registration in CHM 345 required.

Chemistry of inorganic compounds with a focus on transition-metal complexes. Topics include structure, bonding, molecular orbital theory, group theory and spectroscopic properties.

CHM 345 - Inorganic Chemistry Laboratory, 1 credit hour**Prerequisite(s):** CHM 252 and CHM 256**Corequisite(s):** Concurrent registration in CHM 341 required.

Laboratory experiments will focus on synthesis of inorganic and organometallic complexes emphasizing inert-atmosphere techniques.

Lab: One three-hour lab per week.

CHM 351 - Organic Spectroscopy, 2 credit hours**Prerequisite(s):** Grade of C- or better in CHM 251 and CHM 252.

A lecture/laboratory course covering spectroscopic techniques used in identifying organic molecules including UV/VIS, IR, NMR spectroscopy and mass spectrometry.

CHM 352 - Polymer Chemistry, 3 credit hours**Prerequisite(s):** Grade of C- or better in CHM 251 and CHM 252.

An introduction to polymer chemistry covering step, ionic and chain polymerization mechanisms and kinetics.

Properties of polymers, such as molecular weight determination, glass transition temperature (T_g), melt temperature (T_m) and crystalline and amorphous polymers will be discussed.

CHM 364 - Junior Chemistry Seminar, .5 credit hour**Notes:** Must be taken three semesters prior to graduation

This course is the start of the capstone course sequence in the chemistry major. Students develop the skills necessary to search and cite the chemical literature. The topic of professional ethics within the realm of chemical research will be discussed. Attendance at presentations given by outside speakers and senior Chemistry majors is expected.

Graded: S/U**CHM 403 - Laboratory Projects, .5 or 1 credit hour****Prerequisite(s):** Permission of the instructor

An introduction to research techniques through independent projects in analytical, inorganic, organic, physical chemistry or biochemistry. All projects are under the guidance of one of the professors in each field.

CHM 411 - Topics in Biochemistry, .5-2 credit hours**Prerequisite(s):** CHM 311

Advanced topics in biochemistry chosen by the instructor. Recent topics have been derived from peer reviewed biochemical publications with a focus on metabolic pathways and diseases resulting from metabolic dysfunction.

CHM 421 - Topics in Analytical Chemistry, .5-2 credit hours**Prerequisite(s):** CHM 321 and CHM 325.

Advanced topics in analytical chemistry.

CHM 431 - Topics in Physical Chemistry, .5-2 credit hours**Prerequisite(s):** CHM 331**Corequisite(s):** CHM 332

Advanced topics in physical chemistry. Possible topics include: statistical thermodynamics, photophysics, surface chemistry, computational chemistry, etc.

CHM 441 - Topics in Inorganic Chemistry, .5-2 credit hours**Prerequisite(s):** CHM 341

Advanced topics in inorganic chemistry chosen by the instructor. Recent topics include: organometallic complexes, organometallic reactions, and catalytic mechanisms.

CHM 451 - Topics in Organic Chemistry, .5-2 credit hours**Prerequisite(s):** CHM 252

Advanced topics in organic chemistry chosen by the instructor. Recent topics include the synthesis, characterization and properties of polymers and strategies in asymmetric synthesis.

CHM 464 - Senior Chemistry Seminar I, 1 credit hour**Prerequisite(s):** CHM 364

This course continues the capstone experience in the chemistry major. Students develop the skills necessary to develop and deliver effective scientific presentations based in the primary scientific literature.

CHM 465 - Senior Chemistry Seminar II, .5 credit hour**Prerequisite(s):** CHM 464

This course is the final course in the capstone sequence in the chemistry major. Students will develop and deliver an effective scientific presentation based in the primary chemical literature and often drawing upon their own original laboratory research. Students will also take a comprehensive chemistry exam.

CHM 491 - Departmental Thesis/project, Credit hours to be arranged**Prerequisite(s):** Permission of the instructor**CHM 492 - Departmental Thesis/project, Credit hours to be arranged****Prerequisite(s):** Permission of the instructor

College

COL 070 - Internship, Credit hours to be arranged

Internship proposals appropriate to a COL-prefix must be approved by the chairperson of the College Course Committee.

COL 110 - BW FiRST, 1 credit hour**Prerequisite(s):** Admitted Freshmen who report a score below 19 on the ACT Reading Subtest or below 26 on the SAT Reading Subtest or below 471 on the SAT Evidence-Based Reading and Writing Subtest. Students who qualify will take the course in the fall and spring semester of their first year.**Corequisite(s):** Each section of BW FiRST is taught in conjunction with a specific section of a 100-level core course. Faculty teaching both courses will collaborate to match supplemental reading instruction to the reading goals of the core course.

The goal of BW FiRST (Freshmen in Reading Support Teams) is to increase students' overall academic performance by providing them with the tools to successfully read and think about complex college-level texts. Each section of BW FiRST is taught in conjunction with a specific 100-level core class. BW FiRST students will learn and practice effective reading strategies that fit the unique reading requirements of the paired core course.

Students are pre-selected for enrollment and will be pre-registered for BW FiRST and the accompanying core course.

COL 115 - Career Decision-Making, 1 credit hour

This course leads students through phases of the career development process: getting to know yourself (personality, skills, interests, and values), career exploration (learning more about your academic and career options), career decision-making (crafting a plan to reach your career goals), identifying opportunities to gain experience, and marketing yourself effectively. Students will be introduced to professional skills such as resume and cover letter writing, interviewing and networking. The combination of these skills and your academic experience at BW can lead to the achievement of personal goals and career success.

COL 121 - Assist, 1 credit hour

This is a full semester hybrid course for students with Academic Probation status. Students will complete a self-assessment the first week of classes. Information from the self-assessment will be used to develop an Academic

Contract, which will outline requirements for the semester. The contract will be signed during one of several meetings with an assigned Academic Mentor.

COL 122 - Connections, 1 credit hour

This is a full semester hybrid course for students with Academic Alert status. Students will complete a self-assessment the first week of classes. Information from the self-assessment will be used to develop an Academic Contract, which will outline requirements for the semester. The contract will be signed during one of several meetings with an assigned Academic Mentor.

COL 123 - Study Strategies, 1 credit hour

The Study Strategies course is a one-credit hour full semester course for freshmen and sophomores who would like to learn strategies to become active, confident, independent and successful university learners. This course emphasizes strategies such as critical thinking, priority management, information literacy, motivation and goal setting, learning styles, active listening and recall strategies, college reading, note review, test preparation and test performance.

Graded: *This class is graded S/U.*

COL 163 - Prior Learning Assessment, 2 credit hours

Baldwin Wallace University recognizes the legitimacy of University-level learning which has taken place outside the traditional classroom setting and grants credit for this kind of learning where it relates to the University curriculum. This course is designed to assist individuals in exploring their past life and work experiences and in planning future educational goals. Students learn how to prepare a portfolio of credit requests based on the learning outcomes of life experience which are truly University level and relevant to BW courses. The two credits awarded for this course apply regardless of the amount of credit, if any, that is subsequently approved by faculty and academic department assessment. The student must have completed an English composition course and at least 6 semester credit hours at BW prior to course entry.

Graded: *S/U*

COL 228 - Leadership Education and Development, 1 credit hour

This course centers on the theoretical foundations of student development and personal growth, and serves as a preparatory course for leadership. It helps student leaders in their personal growth and aids them in becoming positive influences in the Baldwin Wallace community. The course focuses on understanding the role of higher education, developing interpersonal and group skills, and integrating developmental and human relations theories with practical situations. It is a prerequisite for Resident Assistant positions.

Graded: *S/U*

COL 290 - Innovation and Integrity Colloquium, 1 credit hour

This colloquium provides CIG Student Fellows with a unique opportunity to acquire experiences and relationships designed to guide them in a process of innovation guided by integrity. Students will develop an Innovative Leadership Development Plan as part of their participation in the colloquium. The Innovation and Integrity Colloquium is a full year commitment. Students must be nominated by a faculty member and selected by the Center for Innovation and Growth to be enrolled. This course does not count towards major, minor, or General Education credit.

COL 291H - Innovation Application Colloquium, 1 credit hour

Prerequisite(s): COL 290

In this second half of the year long colloquium, students will apply their Innovative Leadership Development Plan created in COL 290 through further discussion, engagement with guest speakers, and participation in the Innovation Concept Competition. This course does not count towards major, minor, or General Education credit.

Communications

CAS 050(I) - Independent Study, Credit hours to be arranged

See Independent Study Program.

CAS 070 - Internship, 1-12 credit hours

CAS 102 - Interpersonal Communication, 3 credit hours

An introduction to one-on-one communication which emphasizes the initiating, maintenance, and dissolution of relationships. The concepts of people perception beginning with the "self" are studied in terms of verbal and nonverbal cues, gender, and multicultural variables. Listening, conflict management, and self-presentation are included.

CAS 107 - Film and Culture, 3 credit hours

An analysis of the motion picture as an art form and a medium of cultural communication. A variety of examples showing significant artistic and contextual development will be viewed and discussed in order to establish criteria for evaluating and setting of standards for film and other narrative media.

CAS 108I - International Cinema and Aesthetics, 3 credit hours

An analysis of the motion picture as an art form and a medium of cultural communication. A variety of international examples showing specific cultural trends are examined.

CAS 112 - Presentational Speaking, 3 credit hours

Prerequisite/Corequisite: Can be taken concurrently with CAS 126

A practical general course introducing the elements of presentational speaking. Emphasis on ethics in presentational speaking, controlling nervousness, the importance of listening, audience analysis, speech purposes, selecting and researching topics, speech organization, language for oral style, delivery techniques including nonverbal communication skills, and use of basic support visuals. Student assignments will move from simple to relatively complex presentations.

CAS 120 - Strategies in Public Relations, 3 credit hours

This course shall focus on public relations from a value driven perspective. Students will learn the fundamentals of public relations. A focus will be given to how public relation strategies can be employed to support philanthropies and other forms of community involvement. The difference between ethical and unethical public relations is detailed.

CAS 121 - Audio for Media, 2 credit hours

The study of audio production principles and practices for a variety of venues. Complex and multileveled production board operations will be combined with computer applications. The course focuses on directing, producing, editing, and critical evaluation of programming elements and styles.

CAS 125 - Event Planning, 3 credit hours

All elements of event planning are covered in this course, such as the strategic plan, communication channels, coordination of participants, media coverage, and assessment of the event. Through experiential exercises students will plan and implement an event as part of the course.

CAS 126 - Introduction to Communication, 3 credit hours

Notes: Required of all broadcasting, communication studies, and public relations majors.

This course serves as an introduction to various forms of communication as well as the fields of study within the broad discipline of communication. Subjects covered in the course include theories, practices, and the history and development of the discipline and its various fields.

CAS 161 - Radio Production and Air Studio Management, 2 credit hours

This experiential learning opportunity includes broadcast training at WBWC. At the successful completion of the class, students may earn their FCC Radio Operators License for an additional fee.

CAS 171 - Fundamentals of Television Production, 3 credit hours

This course is designed to give students an overview of all major aspects of television broadcasting. Emphasis is placed on laboratory elements of three-camera and single-camera field production including ENG, lighting, audio and editing.

CAS 207 - Group Communication and Leadership, 3 credit hours

Prerequisite(s): CAS 126 or CAS 112

A practical course with emphasis on discussion techniques and leadership actions in the group setting. How to lead, facilitate, and participate in group meetings. Emphasis on choosing and using meeting procedures for achieving group goals, group decision making and problem solving, managing conflicts in meetings, special techniques in meetings, and the development of strategies for productive meetings.

CAS 212 - Business and Professional Communication, 3 credit hours

Prerequisite(s): CAS 112

A course designed to develop skill in the preparation and delivery of professional public speeches. Critical analyses, video sessions and conferences will be used to develop critical thinking and analytical skills. Emphasis will be placed on emerging technology used in public presentations.

CAS 222 - Film History, 3 credit hours

Prerequisite(s): CAS 107 or CAS 108I or instructor approval.

A study of the history of cinema from its beginnings to the present day. Topics will include the business, politics, and development of film as an art form. Representative films will be shown in class.

CAS 226 - Writing for the Media, 3 credit hours

Prerequisite(s): CAS 126 and ENG 131, or instructor's approval.

A study of the principles of writing for broadcasting and other electronic media. Focus is placed upon creating scripts with visual and aural appeal, conveying messages in clear, economical, conversational style to effectively communicate to mass audiences.

Hard copies of students' written scripts will be submitted weekly; therefore, some students may find it necessary to add funds to their printing allowance beyond the printing credit allocated by the University. Approximately 45-50 pages of work will be submitted by the end of the semester.

CAS 230 - Public Relations Cases, 3 credit hours

This course is an introduction to public relations cases and current topics. This course focuses on award-winning PR case studies and allows students to analyze and discuss the research aspects, objective development, programming steps, and evaluation components of these successful cases. Additionally, students will be exposed to relevant topics in public relations through an examination of books focusing on current issues. Students will learn public relations process steps and gain a better understanding of professional issues to develop foundational skills needed for careers.

CAS 232 - Workshop in Journalism, 3 credit hours

Prerequisite(s): Students must have completed the college writing requirement (ENG 131, or exemption) before enrolling in CAS 232.

Assignments in writing news and features, with emphasis on improving general writing skills, and understanding news values and the functions of journalism in our society.

CAS 259 - Faculty-student Collaboration, Credit hours to be arranged**CAS 261X - DJ Format Shift, 2 credit hours**

Prerequisite(s): CAS 161, FCC License and registration with instructor's approval.

This experiential learning opportunity includes one semester as a staff disc jockey at WBWC. Course may be repeated.

CAS 263 - Seminar, 1-4 credit hours

Prerequisite(s): Varies dependent upon the topic being offered

The study of current topics of concern within the broadcasting and mass communication, communication studies, film studies, or public relations areas. May be repeated more than once, provided the subject or topic is different.

CAS 271 - Participation in BW-TV, 3 credit hours

Prerequisite(s): CAS 171

This course offers students the opportunity to develop the techniques of television production for multi-camera studio and on-location environments. Students learn the skills necessary for reproduction, principal photography, and post-production, as well as the importance of operating under studio deadlines. Course may be repeated.

CAS 273 - Film Production and Direction, 3 credit hours

Prerequisite(s): CAS 107 or CAS 108I

Film aesthetics and practices will utilize Digital Video Technologies. Topics will include image acquisition, image manipulation, image composition and non-linear editing.

CAS 275 - Propaganda and Persuasion, 3 credit hours

Prerequisite(s): CAS 126

This course will explore the concepts of persuasion, propaganda and public opinion. Students will examine the applied techniques of advertisers, activists, and political campaigns to learn basic persuasive strategies. By combining theoretical approaches with applied activities, students will learn valuable media literacy skills that will enable to better identify and analyze persuasive messages.

CAS 277D - Media and Diversity, 3 credit hours

Prerequisite(s): CAS 126

This course will critically examine the role of the media in facilitating and challenging the social constructions of race, class, gender, and sexual orientation in our culture. It will take an interdisciplinary approach and will consider the mass media to be one among many other social institutions such as family, education, and religion, which strongly influence our conceptions of race, class, gender and sexual orientation. The course will address a variety of entertainment and news content in chemical, print and electronic media.

CAS 285D - Introduction to Intercultural Communication, 3 credit hours

Prerequisite(s): CSD 105 or CAS 126

This course will analyze difficulties in communicating across cultural boundaries, misunderstandings arising from cultural differences, and techniques for living and working successfully in a multicultural setting. The course utilizes films, simulation games and other experiential learning techniques. Appropriate for any student interested in being a genuine citizen of the world.

CAS 307 - Nonverbal Communication, 3 credit hours

Prerequisite(s): CAS 126

A course tailored to engage students in learning how nonverbal processes related to facial, eye, artifactual, spatial, tactile, paralinguistic and temporal communication influence human interaction.

CAS 315 - Crisis Communication, 3 credit hours

Prerequisite(s): CAS 120

The course focuses on the different types of crises common within an organization, and the role a public relations practitioner has during a crisis. Some of the topics examined in the course are the following. Analyses of various organizations and individuals and how they reacted in a crisis. What are the effective communication strategies for researching, planning, and responding to a crisis? Strategies for working with the media during a crisis, and the importance of ethical practices are essential aspects of the course.

CAS 320 - Internal Public Relations and Research, 3 credit hours**Prerequisite(s):** CAS 120 and CAS 126

Through this course students learn about the essential components of internal public relations. Through experiential exercises students gain knowledge concerning internal communication master plans, strategic planning, public relations research and assessment. Students also learn how to write, backgrounders, biographies, and other internal public relations documents.

CAS 322(D) - Film Themes and Genres, 3 credit hours**Prerequisite(s):** CAS 107 or CAS 108I or instructor approval.

An examination of various genres in film that contribute to the greater appreciation of film as an art form. Each term the course is offered, one of the major cycles of motion picture production will be highlighted including international films, musicals, horror, war, westerns, etc. Several full length films illustrating historically important phases of that film form will be shown in the laboratory period. Course may be repeated as genre changes.

CAS 328(D) - Studies in Communication, 3 credit hours**Prerequisite(s):** CAS 126 or consent of the instructor. Course may be repeated as the topic changes.

This course examines current topics of concern within the communication area. Topic offerings to include, but are not limited to: computer mediated communication, instructional communication, health communication, communication and aging, listening, conflict communication, communication education, black rhetoric, political communication, legal communication, communication and technology, or gender communication.

CAS 345 - External Public Relations Writing, 3 credit hours**Prerequisite(s):** CAS 120

The course focuses on external public relations and the writing formats associated with such communication. The course covers public service announcements, press kits, media analysis, mission statements, and other external public relations writing.

CAS 350 - Organizational Communication, 3 credit hours**Prerequisite(s):** Junior standing, At least 9 credit hours of CAS courses, or consent of the instructor

This course examines how oral communication is exchanged among corporate member and the extent to which such interaction influences managerial/subordinate relation-ships. The learning environment entails discussing case study readings, conducting exercises, and completing a project.

CAS 359 - Faculty-student Collaboration, Credit hours to be arranged**CAS 360 - Public Relations Technology, 3 credit hours****Prerequisite(s):** CAS 120

The field of public relations is influence by different forms of technology. This course introduces student to different aspects of technology relevant to communication. Students learn about social media, web design, video news releases, and other forms of technical communication.

CAS 361 - Participation in WBWC, 1 or 2 credit hours

Students may work at WBWC for credit by working in the music department, in broadcasting news, or in other station activities as approved by the station management and the instructor. This course is graded.

CAS 371 - Advanced Production, 3 credit hours**Prerequisite(s):** CAS 271 or CAS 273

Students will act as producers for BW-TV. This course offers advanced practical experience in the techniques of television production for multi-camera studio and on-location environments. Students hone their skills in pre-production, principal photography, and post-production. Emphasis is also placed on the importance of operating under studio deadlines. Repeatable.

CAS 373 - Lighting for Film, 3 credit hours

Prerequisite(s): CAS 273, or registration with consent of the instructor.

A lighting design course specifically designed to introduce the student to the equipment and techniques of grips and gaffers. Composition, color theory, and qualities of light will be discussed how they relate to the photography (still, motion, digital, and chemical).

CAS 377 - Communication Theory, 3 credit hours

Prerequisite(s): CAS 126, at least 9 credit hours completed in CAS courses, and Junior or Senior standing.

Required of all broadcasting and communication majors.

This course is an overview of the disciplinary traditions and research interests of communication theory. This course focuses on the prominent theories and research interests in the fields of study within the broad discipline of communication. Students will critically analyze various theoretical issues in contemporary communication.

CAS 410 - Persuasive Campaigns, 3 credit hours

Prerequisite(s): CAS 120 and CAS 230

This course covers the fundamentals of public relations. Students will learn how to produce press releases, home pages, brochures, and other communication tools. Students will create and implement a persuasive campaign relying on theories and strategies learned in the course.

CAS 411 - Introduction to Communication Research Methods, 3 credit hours

Prerequisite(s): CAS 377, Junior or Senior standing, and at least 27 hours completed in the major.

An introductory research methods course designed to introduce the student to the analysis and evaluation of communication research, applying this knowledge to the development of professional writing and performance skills. Techniques of argumentation, including development of propositions, use of evidence, and ethical considerations are central to the course. A Literature review and research proposal utilizing the APA (American Psychological Association) writing format are required.

CAS 412 - Advanced Communication Research Methods, 3 credit hours

Prerequisite/Corequisite: Prerequisites: CAS 411, can be taken concurrently with CAS 476, CSD 477, CAS 478

The course focuses on the completion of student research projects proposed in CAS 411 using established procedures and/or designs. Students are exposed to qualitative and quantitative approaches. The student will gain hands-on research experience, analytical skills, scientific writing abilities, and oral presentation skills. Completion of an investigation utilizing the APA (American Psychological Association) writing format and the use of SAS or SPSS will be required.

CAS 415 - Studies in Public Relations, 3 credit hours

Prerequisite(s): Junior standing

Current topics within the PR area will be studied including research, case studies, writing or other specified areas of public relations. Course may be taken more than once provided the subject or topic is different.

CAS 415X - Healthcare PR, 3 credit hours

Prerequisite(s): Junior standing

Current topics within the PR area will be studied including research, case studies, writing or other specified areas of public relations. Course may be taken more than once provided the subject or topic is different.

CAS 422 - Film Makers, 3 credit hours

Prerequisite(s): CAS 107 or CAS 108I or instructor approval.

This course will examine the creative contributions of various filmmakers. The filmmaker's personal vision, time in history and artistic sensibilities will be examined through the context of his or her work. Auteur Theory, history, and criticism will be emphasized as well as the literature and practical techniques of criticism. Course may be repeated as the filmmaker changes.

CAS 426 - Broadcast Programming, 2 credit hours**Prerequisite(s):** CAS 126 and Junior or Senior status

This course examines current television and radio programming principles, practices and strategies including examination of multidimensional and bimodal appeals, scheduling tactics and rationales, and program evaluation and restraints. New trends and developments in the industry also are given attention.

Semesters Offered: Offered in alternate years.**CAS 428 - Broadcast Law and Ethics, 3 credit hours****Prerequisite(s):** CAS 126 and Junior or Senior status

An exploration of broadcast regulations, law, and ethics with emphasis given to their evolution and their impact on broadcasting and society over time. Current issues including First Amendment law, libel, slander, obscenity, copyright, etc. are also analyzed.

Semesters Offered: Offered in alternate years.**CAS 459 - Faculty-student Collaboration, Credit hours to be arranged****CAS 461 - Screenwriting, 3 credit hours****Prerequisite(s):** CAS 107 or CAS 108I

This course covers the most critical elements of screenwriting. Among them are development of plots and subplots through the inciting incident, backstory, turning points, image systems, beats and scenes units, and set-ups and pay-offs. This course will also examine the mechanics of the teleplay, a more restricted form of screenplay.

CAS 470X - Internship, Credit hours to be arranged**Prerequisite(s):** At least 12 credit hours in CAS

Can consist of practical and/or clinical experience in any area of communications.

CAS 473 - Senior Seminar: Leadership in Public Relations, 3 credit hours**Prerequisite(s):** CAS 410 and CAS 415

Students enrolled in this course will learn about leadership and develop an understanding of individual leadership strengths and how to apply them to the job search and workplace. Students will also organize a professional portfolio.

CAS 474 - Audio for Film, 3 credit hours**Prerequisite(s):** CAS 121 or with consent of the instructor

The study of audio production principles and practices as they specifically relate to film production and post production. Topics will include on location acquisition as well as post production manipulation, and mixing of sound and audio. Foley and ADR projects will be included. The course focuses on the use of sound to compliment the image.

CAS 476 - Capstone in Communication Studies, 3 credit hours**Prerequisite(s):** At least 30 credit hours completed in CAS courses, Junior or Senior status, can be taken concurrently with CAS 411 or CAS 412. Course must be repeated if grade is below C.

Majors enrolled in this course will learn the technology needed to conduct a Web-based portfolio that documents their learning experiences. This portfolio will include a resume, recommendation letters, samples of speaking presentations, communication-related papers, projects, and documentation of experiential learning.

CAS 478 - Capstone in Broadcasting, 3 credit hours**Prerequisite(s):** Junior/Senior status only

To demonstrate their expertise and experience, Broadcasting students must prepare a resume and portfolio of their media experiences, including a "demo reel." In addition, students must write, research, plan and record a special project (program or production) to demonstrate their proficiencies. The Capstone coordinator must approve topics for projects.

Communications Sciences & Disorders

CSD 070 - Internship, Credit hours to be arranged

CSD 105 - Introduction to Communication Disorders, 3 credit hours

An introduction to disorders in the areas of speech, language and hearing. Includes an overview of normal speech, language and hearing development and explanations of causes, characteristics, remediation and prognosis of a wide variety of communication disorders.

CSD 134 - Sign Language, 3 credit hours

An introduction to the acquisition and development of fundamental expressive and receptive skills in manual communication. Special emphasis is placed on basic positions, movements and rhythmic aspects of encoding and decoding the language of signs and the American Manual alphabet. A cultural perspective of deafness will be stressed.

CSD 220 - Speech and Language Development, 3 credit hours

Prerequisite(s): CSD 105, or consent of the instructor

Speech and language acquisition theory and stages from birth through adolescence. A variety of methods for analyzing syntax, semantics, pragmatics, morphology and phonology across the stages of development are discussed. Contributions of biological, social, cognitive and environmental factors on the process of language development are discussed. Information on language variation in multicultural populations is presented.

CSD 221 - Speech and Hearing Science, 3 credit hours

Prerequisite(s): CSD 105 and CSD 220

During this course students will gain knowledge regarding the principles of acoustics as they relate to speech production and perception. Students will also engage in analysis of speech signals to provide application of theories discussed in class. Clinical applications will also be discussed.

CSD 225 - Phonetics and Phonology, 3 credit hours

Prerequisite(s): CSD 105, or consent of the instructor

A theoretical and applied study of the production of speech sounds based on the International Phonetic Alphabet. Standard American dialect is emphasized through practice in broad and narrow phonetic transcription techniques on both normal and disordered speech samples. Phonological theories are examined and applied to normal and disordered speech samples.

CSD 235 - Clinical Ethics & Management, 2 credit hours

Prerequisite(s): CSD 105 and CSD 220

Corequisite(s): CSD 236

An introduction to careers in speech-language pathology and audiology. This course focuses on the ethical and professional standards expected set forth by the Ohio Board of Speech-Language Pathology and Audiology as well as the American Speech-Language-Hearing Association. Students will learn the steps in ethical decision making. In addition students will be taught the necessary skills for successful observation, professional clinical writing, and clinical management. Strategies and the importance of confidentiality and HIPAA requirements will also be learned.

CSD 236 - Speech & Language Observations, 1 credit hour

Prerequisite(s): CSD 105 and CSD 220

Corequisite(s): CSD 235

This course provides an opportunity for students to participate in observations of the professions of Speech-Language Pathology and Audiology. Students will write reflections of sessions observed and demonstrate knowledge of ethical and professional standards. This course allows students to obtain the observation hours required by ASHA. All students are required to complete 25 observation hours in order to obtain a passing grade in this course. A grade of B- or above must be obtained in this course in order to register for CSD 335X.

CSD 263 - Seminar, 1-4 credit hours

Prerequisite(s): Varies dependent upon the topic being offered

The study of current topics of concern within the communication sciences & disorders area. May be repeated more than once, provided the subject or topic is different.

CSD 321 - Neurology, Anatomy & Physiology of the Speech & Hearing Mechanism, 3 credit hours

Prerequisite(s): CSD 105 and CSD 220

The anatomy and physiology of normal speech production and of the hearing mechanism. Including the study of the nervous system, ear, laryngeal, respiratory and orofacial processes. Applications to disorders in speech, language and hearing will be discussed.

CSD 325 - Articulation and Phonology Disorders, 3 credit hours

Prerequisite(s): CSD 105, CSD 220 and CSD 225

The study of the normal aspects of articulation, speech sound acquisition, phonological awareness, and classification and factors related to speech sound disorders. Applications of this information in the assessment and remediation of speech sounds disorders in children and adults will be addressed.

CSD 334 - American Sign Language (ameslan), 3 credit hours

Prerequisite(s): CSD 134

A study of sign language and fingerspelling with emphasis on receptive and expressive message clarity, comprehension of AMESLAN syntax and semantics, and facility in encoding and decoding. Some attention is given to the idiomatic aspects of sign language as used by the deaf population (1400-1500 signs).

CSD 335X - Clinical Practice- Individual, 1 credit hour

Prerequisite(s): CSD 105, CSD 220, CSD 225, and either CSD 325 or CSD 340. Earned grade of B- or above in CSD 235 and CSD 236 or consent of Program Director. GPA of 3.2 or above in the major or consent of Program Director. Course must be repeated if grade of C or below is earned.

This course allows students to participate in experiential learning at the Baldwin Wallace Speech Clinic. Students are assigned to clients receiving individual therapy sessions and work to obtain ASHA clinical hours. Throughout this experience students are required to develop, write and execute long-term goals, short-term goals, and weekly lesson plans. Students also write SOAP notes and reflections on his/her performance. Students enroll in this course for two semesters and repeat the course if a grade of C or below is earned.

CSD 340 - Language Disorders, 3 credit hours

Prerequisite(s): CSD 105 and CSD 220

The nature and characteristics of language disorders in children and adults are discussed. Including the assessment and treatment of disorders of syntax, semantics, morphology and pragmatics in all populations of language disordered children and adults.

CSD 341 - Voice and Fluency Disorders, 3 credit hours

Prerequisite(s): CSD 105 and CSD 220

The nature and characteristics of voice and fluency disorders in children and adults are discussed, including the assessment and treatment of disorders in voice and fluency/stuttering.

CSD 359 - Faculty-Student Collaboration, Credit hours to be arranged**CSD 420 - Audiology, 3 credit hours**

Prerequisite(s): CSD 105 and CSD 220

A study of audiology, instrumentation, diagnosis, hearing disorders and basic rehabilitation procedures for hearing impaired populations.

CSD 421 - Aural Rehabilitation, 3 credit hours

Prerequisite(s): CSD 105 and CSD 220

A study of the historical aspects of communication intervention with people who are hearing impaired, etiologies related to hearing impairment, incorporating auditory and visual stimuli in communication, language and speech of the hearing impaired, communication methodologies, psychosocial issues related to hearing impairment, hearing aids, assistive listening devices, cochlear implants, and audiologic rehabilitation techniques across the lifespan.

CSD 435X - Clinical Practice- Group, 1 credit hour

Prerequisite(s): CSD 105, CSD 220, CSD 225, CSD 335X, and either CSD 325 or CSD 340. Earned grade of B- or above in CSD 235 and CSD 236 or consent of Program Director. GPA of 3.2 or above in the major or consent of Program Director. Course must be repeated if grade of C or below is earned.

This course allows students to participate in experiential learning at the Baldwin Wallace Speech Clinic or an approved offsite clinical site. These supervised experiences allow the students to lead group therapy sessions while obtaining ASHA clinical hours. Students are required to develop, write, and execute long-term goals, short-term goals, and session lesson plans. Students also write clinic notes and reflections on his/her performance. Students must repeat this course if a grade of C or below is earned.

CSD 440 - Research Methods in Communication Disorders, 3 credit hours

Prerequisite(s): CSD 105 and CSD 220; and at least one semester of CSD 335X

This course provides an overview of research methodology, design considerations, and the formulation of testable research questions that are central to the study of communication disorders. Ethical issues involved in communication disorders research will also be discussed. Students will design a doable evidence-based practice research proposal by the end of this course.

CSD 459 - Faculty-Student Collaboration, Credit hours to be arranged**CSD 477 - Capstone in Communication Disorders, 3 credit hours**

Prerequisite(s): Senior status. Course must be repeated if grade is below a C.

Students enrolled in this course will complete a portfolio, in which they are to document the knowledge and skills obtain both in and out of the classroom, during their University years. The portfolio will include a resume, cover letter, recommendations letter, letters of acceptance (graduate school or employment) completed KASA form, clinical experience documentation, reflections on academic, clinical, extracurricular involvement, and employment experiences.

CSD 510 - Child Language Disorders, 3 credit hours

The course is designed to provide a theoretical and practical orientation to the area of child language disorders. It will provide practical applications of the principles of prevention, assessment and remediation of language disorders in children birth to 18 years.

CSD 521 - Neurology, Anatomy & Physiology for the Speech & Hearing Mechanism, 3 credit hours

This course will review anatomy and physiology for the speech and hearing mechanism in addition to providing an understanding of neurology for speech and language function. Development, maturation, and function of all essential structures will be covered.

CSD 525 - Articulation & Phonology Disorders, 3 credit hours

The study of the normal aspects of articulation, speech sound acquisition, phonological awareness, and classification and factors related to speech sound disorders. Applications of this information in the assessment and remediation of speech sounds disorders in children and adults will be addressed.

CSD 530 - Clinical Foundations, 3 credit hours

This course is an overview of the practice of Speech-Language Pathology and an introduction to clinical practice. Students will learn about ethical practice guidelines, scope of practice, HIPPA/confidentiality, clinic procedures, clinical writing (goals, lesson plans, assessments), and other topics as appropriate.

CSD 531 - Diagnostics in Speech-Language Pathology, 1 credit hour

Students will learn diagnostic procedures, administration guidelines, and clinical writing procedures for diagnostics/evaluations in Speech-Language Pathology. Students will earn clock hours conducting diagnostics with a variety of patients with communication disorders across the lifespan.

CSD 534 - Augmentative & Alternative Communication, 2 credit hours

A look at the assessment and intervention methods associated with augmentative and alternative communication (AAC). An understanding of AAC and the language systems, continuum of AAC strategies will be developed. Students will learn how to identify potential candidates for AAC, as well as learn evaluation techniques and intervention strategies for individuals with complex communication needs. Students will also participate in service learning through the Baldwin Wallace Speech Clinic, off-site clinical practicum, online practice, and other relevant opportunities.

CSD 535 - Clinical Practice, 1 credit hour

Students will participate in Clinical Practice experiences on campus at the Baldwin Wallace Speech Clinic. Students will earn clock hours with a variety of patients with communication disorders across the lifespan.

CSD 536 - Clinical Practice, 1 credit hour

Students will participate in Clinical Practice experiences on campus at the Baldwin Wallace Speech Clinic or at an offsite placement. Students will earn clock hours with a variety of patients with communication disorders across the lifespan.

CSD 537 - Clinical Practice, 1 credit hour

Students will participate in Clinical Practice experiences on campus at the Baldwin Wallace Speech Clinic or at an offsite placement. Students will earn clock hours with a variety of patients with communication disorders across the lifespan.

CSD 541 - Voice Disorders, 2 credit hours

Causation, symptomatology, and remedial procedures of voice disorders, specific evidence-based practice procedures for both children and adults across intervention settings.

CSD 542 - Fluency Disorders, 2 credit hours

Causation, symptomatology, and remedial procedures of stuttering, specific evidence-based practice procedures for both children and adults across intervention settings.

CSD 550 - Integrations, 3 credit hours

This course is designed to help link the content taught in lecture-based classes in the graduate curriculum to the clinic practicum that the student engage in every semester. Students will participate in service learning projects designed to implement concepts, reflect on clinical experiences, discuss requirements of different clinical settings, and ethical implications of day-to-day clinical practice. Other topics will be covered as needed.

CSD 551 - Integrations, 3 credit hours

This course is designed to help link the content taught in lecture-based classes in the graduate curriculum to the clinic practicum that the student engage in every semester. Students will participate in service learning projects designed to implement concepts, reflect on clinical experiences, discuss requirements of different clinical settings, and ethical implications of day-to-day clinical practice. Other topics will be covered as needed.

CSD 552 - Integrations, 2 credit hours

This course is designed to help link the content taught in lecture-based classes in the graduate curriculum to the clinic practicum that the student engage in every semester. Students will participate in service learning projects designed to implement concepts, reflect on clinical experiences, discuss requirements of different clinical settings, and ethical implications of day-to-day clinical practice. Other topics will be covered as needed.

CSD 555 - Speech-Language Pathology with Special Populations, 3 credit hours

This course will allow students to discuss the speech-language needs of special populations. Some disorders that will be discussed within this course include autism spectrum disorders, cerebral palsy, Down's syndrome, Cleft Palate (craniofacial abnormalities), and other genetic disorders. Diagnosis, intervention, prognosis and evidence based practice will be covered with each disorder.

CSD 560 - Foundations of EBP, 3 credit hours

This course focuses on evidence-based practice in speech-language pathology. The class will examine research methodologies in the area of human communication development and disorders. Major emphases are placed on understanding the process of empirical research; understanding the basic concepts and methods of research; and interpreting and evaluating the quality of research articles. Students will apply the principles of research and its findings to clinical management of communication disorders on their own areas of interest.

CSD 563 - SLP 2 B in Zambia, 1 credit hour

Speech-language pathology, audiology and elephants, OH MY! Come to Zambia and see how your class work and clinical experiences connect in a different context. Embrace Sub-Saharan Africa and learn in a new way. This is a clinical practicum and service learning opportunity where students have the opportunity to explore the field of communication sciences and disorders in Zambia.

CSD 610 - Adult Language Disorders, 3 credit hours

The course is designed to provide a theoretical and practical orientation to the area of adult language disorders. It will provide practical applications of the principles of prevention, assessment and remediation of language disorders in adults including aphasia and acquired cognitive-communication disorders, with emphasis on cognitive-communication deficits associated with traumatic brain injury, right hemisphere damage, dementing illness, and other neurogenic conditions.

CSD 621 - Aural Rehabilitation, 2 credit hours**CSD 625 - Motor Speech Disorders & Dysphagia, 3 credit hours**

Examines the nature, etiology and treatment of speech and swallowing disorders resulting from neuropathologies. Related intellectual, perceptual, social and emotional problems will be considered as well as the neuromuscular symptoms. Evidence-based practice evidence will be utilized in clinical decision making.

CSD 635 - Clinical Practice, 3 credit hours

Students will participate in Clinical Practice experiences off campus at a variety of settings as determined by the Clinic Director. Students will earn clock hours with a variety of patients with communication disorders across the lifespan.

CSD 636 - Clinical Practice, 6 credit hours

Students will participate in a 15 week Clinical Practice experience off campus at a variety of settings as determined by the Clinic Director. Students will earn clock hours with a variety of patients with communication disorders across the lifespan.

CSD 638 - Clinical Practice School Based, 1 credit hour

Students will participate in an 8-15 week full-time Clinical Practice experience off-campus at a school based setting as determined by the Clinic Director. Students will earn clock hours with a variety of patients with communication disorders.

CSD 650 - Integrations, 2 credit hours

This course is designed to help link the content taught in lecture-based classes in the graduate curriculum to the clinic practicum that the student engage in every semester. Students will participate in service learning projects designed

to implement concepts, reflect on clinical experiences, discuss requirements of different clinical settings, and ethical implications of day-to-day clinical practice. Other topics will be covered as needed.

CSD 651 - Integrations, 1 credit hour

This course is designed to help link the content taught in lecture-based classes in the graduate curriculum to the clinic practicum that the student engage in every semester. Students will participate in service learning projects designed to implement concepts, reflect on clinical experiences, discuss requirements of different clinical settings, and ethical implications of day-to-day clinical practice. Other topics will be covered as needed.

CSD 660 - Research Application, 1 credit hour

This course is intended to provide the student with the opportunity to engage in a research study within the field of Speech-Language Pathology. The student will work under the direction of a faculty member in the Department.

CSD 677 - Capstone, 3 credit hours

A portfolio course in which students integrate the clinical knowledge and skills obtain both in and out of the classroom. Speech and language disorder cases are examined and compared to relevant research evidence. Reflective approaches to learning are incorporated in the learning process.

Computer Science

CSC 050 - Independent Study, 1-3 credit hours

This course is designed to assist students in the study of computer topics beyond those included in the regular course offerings. Students working in cooperation with a supervising faculty member may study approved material which does not duplicate a course presently in the curriculum. Independent study credit may only be applied to major requirements if formal approval for such credit is approved prior to the semester in which the work is completed.

CSC 070 - Internship, Credit hours to be arranged

Academic credit is offered for appropriate off-campus, computer-related experience.

CSC 135 - Introduction to Web Site Development, 3 credit hours

This course is designed to provide experience in the development of basic web sites, focusing on standard web development languages and tools such as HTML, XML, CSS, and JavaScript. Use of web editing tools such as WordPress or Visual Studio is also included. Several web sites will be developed to practice the implementation of the technologies discussed.

CSC 141 - Advanced Applications for Information Analysis, 3 credit hours

Prerequisite(s): Basic computer literacy, including the use of word processing and beginning Excel, is assumed; completion of core MTH course.

This course focuses on spreadsheet and database technologies with an emphasis on the application of those technologies in the business domain. Topics include creation of spreadsheets and databases, financial and statistical functions, charting, problem solving tools, querying of databases, creation of forms and reports, macros, and the integration of spreadsheets and databases.

CSC 160 - Introduction to Computing, 3 credit hours

This course provides an introduction to the computing majors and minors offered at BW including the curricular difference, the professional practices, and the available career opportunities. In addition, it introduces students to many of the primary areas of computing (including, but not limited to computational thinking, computer networks, operating systems, artificial intelligence) and gives a historical perspective of the discipline. Problem solving, teamwork and ethics are woven throughout the course.

CSC 210 - Computer Science I: Programs and Applications, 3 credit hours

This course covers the fundamental concepts of computers and computer programming. Repetition, selection, procedures, simple data types, arrays, and records are covered. Object-orientation and graphical user interfaces are introduced. Structured design and programming techniques are emphasized.

CSC 211 - Introduction to Programming in Python, 3 credit hours

This course is intended to provide students with basic skills and experience in the analysis of problems, the creation of algorithms to solve these problems, and the implementation of the resulting algorithms as working programs. The Python programming language is used and many of the assignments focus on the creation or manipulation of multimedia components. This is the preferred introductory course for students majoring in Digital Media.

CSC 212 - Intro to Programming for Scientists & Engineers, 3 credit hours

Prerequisite(s): Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for this course. Students are required to have passed the Baldwin Wallace mathematics placement test or to have scored at least 22 on the quantitative portion of the ACT or at least 520 on the quantitative portion of the SAT. Introduction to programming for scientists and engineers. Programming concepts such as repetition, selection, functions, strings and other simple datatypes will be introduced in the context of solving problems of interest to scientists and engineers. Emphasis on reproducibility and documentation of computational procedures. Exploration of Data visualization along with scientific computing libraries.

CSC 235 - System Requirements and Testing, 3 credit hours

Prerequisite(s): CSC 160

This course is designed to introduce the student to the areas of requirements gathering and testing of computer systems. The course focuses on building the skills necessary to drive a student's understand, application and success in the Business or Systems Analysis arena. Case studies will be used to explore requirements gathering. Testing topics will include V Model and Testing First models. Students will be introduced to the components of a testing plan and be required to create portions of a test plan using industry standard techniques.

CSC 240 - Object-Oriented Programming, 3 credit hours

Prerequisite(s): CSC 210

Prerequisite/Corequisite: MTH 161

This three credit course builds on the introductory programming concepts presented in Computer Science I by introducing students to the object-oriented programming paradigm. Topics include abstraction, encapsulation, inheritance, polymorphism, object-oriented design and, as time permits, use of advanced language features such as generics, packages and interfaces. Students implement several applications of varying complexity in a current object-oriented programming language (currently Java).

CSC 245 - Data Structures, 3 credit hours

Prerequisite(s): CSC 240 and MTH 161

This course focuses on the development of advanced data structures that are commonly used in computer science including stacks, queues, trees, and graphs. Emphasis is placed on the efficiency of the various data structures and the applications for which they are used. Advanced language features including inheritance, polymorphism, templates, and exception handling are also studied.

CSC 250 - Multimedia Programming, 3 credit hours

Prerequisite(s): CSC 160 and CSC 210 or CSC 211

This course focuses on the creation and integration of computer media including still graphics, animation, video, and sound. A major part of the course will focus on programming techniques and languages for the interactive control of multimedia presentations.

CSC 253 - Seminar in Computing for the Community I, 3 credit hours

Prerequisite(s): CSC 210 or CSC 211 or CSC 212

This course and its companion course, Seminar in Computing for the Community II, offers students the opportunity to

develop technical skills to fulfill a computing project that can aid a community organization in furthering their objectives. Students learn about the needs-technical and civic-of an organization, gain insight into the cultural context in which the organization operates, and develop a computing project that will then be deployed to the community organization.

CSC 259 - Faculty-student Collaboration, Credit hours to be arranged

CSC 263 - Seminar, 1-3 credit hours

Prerequisite(s): Dependent upon topic.

Selected topics in computer science

CSC 270 - Data Communication Concepts, 3 credit hours

Prerequisite(s): CSC 160

This course provides an introduction to data communications. Topics include fundamental communications concepts (data and voice); communications hardware, protocols, and software; and network configurations, design, security, control, and management. Topic coverage includes study of LANs, WANs, OSI models, Internet, and intranets.

CSC 275 - Info Systems Security, Privacy, & Ethics, 3 credit hours

Prerequisite(s): CSC 160

This course explores the social issues, including historical and social context, professional responsibilities, risks and liabilities, and intellectual property of an information system organization. Topics include security policy development life cycle, policy development and implementation process, network security, privacy laws, authentication, and access and information flow controls.

CSC 280 - Applied Database, 3 credit hours

Prerequisite(s): CSC 160 and either CSC 210 or CSC 212

This course introduces the fundamental concepts necessary for the use, design, implementation, and management of a database system. The course is project-based, covering database creation, maintenance, and querying using SQL. A relational database management system will be used throughout.

CSC 285 - Network Diagnostics and Troubleshooting, 3 credit hours

Prerequisite(s): CSC 210 & CSC 275

This course covers concepts and tools associated with diagnosing and troubleshooting computer networks. Topics include interpreting documentation, performing online and offline diagnostics, debugging code, interpreting diagnostic results, analyzing log files, and performing troubleshooting techniques. Course will focus on finding and localizing "problems" rather than correcting them.

CSC 290 - Computer Networks, 3 credit hours

Prerequisite(s): CSC 270, CSC 285 and either MTH 160 or MTH 161

This course covers the design, installation and administration of computer networks at the operating system level from an applied perspective. The course includes a highly integrated hands-on component in which a fully functional single client and peer-to-peer client network is realized within a physical and virtualized platform.

CSC 291 - Computer Science Research Methods, 2 credit hours

Prerequisite(s): CSC 245 and MTH 161 or permission of the instructor

Performing undergraduate research in computer science requires that students have foundational knowledge and skills related to research methodology. In this course, students will learn the basics of performing research including how to identify a research problem, performing background research, reading published research, and developing a research plan.

CSC 310 - Software Engineering I, 3 credit hours**Prerequisite(s):** CSC 235 & CSC 245

This is the first of a two-course sequence that presents how engineering principles are applied in the development of large, complex software systems. The focus is on issues of the analysis, design, development, and testing phases of the software development life cycle. Topics presented include software development methodologies, modeling, UML diagrams, and version control, and development for different platforms (PC, web, mobile).

CSC 311 - Software Engineering II, 3 credit hours**Prerequisite(s):** CSC 245 & CSC 310

Building upon the topics presented in CSC 310, this course will include topics such as configuration management, design patterns, software validation and verification, deployment, and software evolution.

CSC 315 - Network Administration, 3 credit hours**Prerequisite(s):** CSC 290 and either CSC 280 or CSC 380

This course covers administering network operating systems. Topics include Windows system and UNIX (Linux) system administration, application (Database, Web) maintenance and interoperability between Windows and Linux systems. A highly integrated hands-on component is used where Windows and Linux systems are realized in a hybrid physical and virtualized environment.

CSC 320 - Computer Architecture & Organization, 3 credit hours**Prerequisite(s):** CSC 245

This course covers computing history, computer technology and terminology, basic logic design, computer architecture, CPU architecture, memory systems and assembly language.

CSC 330 - Web & Mobile Programming, 3 credit hours**Prerequisite(s):** CSC 240 or CSC 245

This course focuses on technologies used in the development of Web sites. Topics covered include XML, CSS, JavaScript, ASP.NET/C#, and an introduction to web security.

CSC 335 - Software Validation and Verification, 3 credit hours**Prerequisite(s):** CSC 310

This course teaches the essential skills necessary to get an understanding of software verification and validation strategies to develop quality software. Students will be introduced to topics in test planning and management, testing tools, reviews, and methods of software testing. Case study examples will be used in this course to give the students an opportunity to use and take informed decisions on the choice of software testing tool /technique used to build quality software system.

CSC 340 - Data Analysis & Visualization, 3 credit hours**Prerequisite(s):** MTH 105, BUS 208, and either CSC 280 or CSC 380

This course teaches the essential skills necessary to find new ways of understanding and communicating data. The course will introduce students to basic visualization design and implementation techniques using currently available software tools. Case study examples will be used throughout the course to give students an opportunity to practice the learned skills.

CSC 359 - Faculty-student Collaboration, Credit hours to be arranged**CSC 360 - Information Systems Project Management, 3 credit hours****Prerequisite(s):** CSC 280 or CSC 380

This course provides a methodical approach to project management in the context of an information system organization. The theory and practice of project management are studied and applied. Topics include system life cycle planning, organizational structures, team building, interview techniques, management functions, project management software, project evaluation and control, and technical writing.

CSC 364 - Information Systems Analyst Junior Project, 3 credit hours**Prerequisite(s):** CSC 235, BUS 208, and either CSC 280 or CSC 380

This course and its companion course, Information Systems Analyst Senior Project, allow students to experience various roles related to the development and management of real world systems. Students in this course perform roles that utilize skills such as database management, requirements analysis and quality assurance. Senior students in the course will take on more senior roles such as senior analyst and project manager.

CSC 380 - Database: Theory, Application, & Administration, 3 credit hours**Prerequisite(s):** CSC 245

This course will introduce students to the design, implementation, and management of small and large databases. We will examine the mathematical and theoretical basis for different database models with an emphasis on relational databases, but an overview of other models, such as object-oriented databases will be included. The connection between the logical model of the database and the physical mapping of the data, including indexing, will be examined. Related topics covered will include current developments in new database models, data mining, security, and the ethical use of data collection. Practical exercises will include the analysis, design, implementation, and documentation of a data system including a database.

CSC 391 - Senior Research Proposal, 1 credit hour**Prerequisite(s):** CSC 291

This class will focus on the identification of a problem and the preparation of a research proposal for the required Senior Research Project. Students will work individually or in teams under the guidance of the faculty member to formally define the hypothesis for their research project and perform related background research. A formal proposal for a research project will be developed and presented by semester's end.

CSC 400 - Operating Systems, 3 credit hours**Prerequisite(s):** CSC 245

This course covers operating systems concepts and design, including processes and threads, CPU scheduling, mutual exclusion and synchronization, deadlock, memory management, file systems, networking, distributed systems and systems programming.

CSC 410 - Advanced Computer Networks, 3 credit hours**Prerequisite(s):** CSC 290 and MTH 105

This course covers advanced concepts and tools associated with network operation and performance. Topics include network topology, network hardware (switches, routers, and firewalls), communication protocols and packet formats, troubleshooting techniques, multi-platform integration, and network security and configuration.

CSC 415 - Penetration Testing and Defense, 3 credit hours**Prerequisite(s):** CSC 210 & CSC 315

This course covers concepts and tools associated with evaluating the security of a computer system or network and the defense of attacks from malicious outsiders. Topics include the anatomy of an attack, survey of tools used in attacks, strategies used in attacks, and techniques and guidelines on how to prevent or mitigate attacks. Documenting the attacks, from the attacker and the victim perspective, is also covered.

CSC 430 - Algorithm Design and Analysis, 3 credit hours**Prerequisite(s):** CSC 245

Building on concepts of basic algorithm design and complexity analysis introduced in earlier courses, this course explores advanced algorithm design and analysis. Topics may include advanced data structures, inductive algorithms, graph algorithms, geometric, algebraic, and numeric algorithms, reductions, NP-completeness, and parallel algorithms. Emphasis is placed on formal efficiency analysis of algorithms utilizing concepts from discrete mathematics.

CSC 440 - Artificial Intelligence, 3 credit hours**Prerequisite(s):** CSC 245

This course will serve as an introduction to artificial intelligence concepts and techniques. Specific topics include a historical and philosophical perspective on AI, the agent paradigm, search techniques, game playing, knowledge representation and reasoning, logic systems, uncertain reasoning and Bayes nets, planning, and machine learning. Time permitting, special topics in the instructor's research interests will be covered.

CSC 453 - Seminar in Computing for the Community II, 3 credit hours**Prerequisite(s):** CSC 210 or CSC 211 or CSC 212 and two additional CSC courses at the 200-level or higher

This course and its companion course, Seminar in Computing for the Community (SCFC) I, offers students the opportunity to develop technical skills to fulfill a computing project that can aid a community organization in furthering their objectives. Students learn about the needs-technical and civic-of an organization, gain insight into the cultural context in which the organization operates, and develop a computing project that will then be deployed to the community organization. Students in SCFC II perform roles such as project manager as they direct teams that students in SCFC I in the context of a real-world project.

CSC 459 - Faculty-student Collaboration, Credit hours to be arranged**CSC 464 - Information Systems Analyst Senior Project, 3 credit hours****Prerequisite(s):** CSC 340, CSC 360, CSC 364 & CAS 212

This course and its companion course, Information Systems Analyst Junior Project, allow students to experience various roles related to the design, testing, and management of real world systems development. Students in this course perform roles such as senior analyst and project manager as they direct teams that include junior students in the context of a real-world project.

CSC 470X - Senior Internship, 1 or 3 credit hours**Prerequisite(s):** Permission of instructor.

This course is designed to be a senior capstone experience in which the student is expected to demonstrate mastery of the skills and concepts acquired throughout the major curriculum. The internship is required to match the individual's major program and have an emphasis on the application of classroom knowledge to actual practice. All internships must be approved by the faculty of the department. Due to the capstone nature of the course, senior status within the major is a required pre-requisite.

CSC 471 - Senior Project, 3 credit hours**Prerequisite(s):** Permission of instructor.

Project proposals must demonstrate that the project is of significant breadth and depth to be considered a capstone experience, integrating multiple aspects of the student's background coursework and extending the student's knowledge in at least one aspect of their area of concentration.

CSC 480 - Senior Software Engineering Project I, 3 credit hours**Prerequisite(s):** CSC 311

This two-semester sequence is designed to be a capstone experience in the software engineering major that provides the opportunity to analyze, design, develop, and test a large software system. The projects undertaken will be large-scale and complex, requiring students to apply the engineering principles learned in previous courses. Project will be completed by teams of students. At the end of the experience a final report and presentation will be required.

CSC 481 - Senior Software Engineering Project II, 3 credit hours**Prerequisite(s):** CSC 480

This two-semester sequence is designed to be a capstone experience in the software engineering major that provides the opportunity to analyze, design, develop, and test a large software system. The projects undertaken will be large-scale and complex, requiring students to apply the engineering principles learned in previous courses.

Project will be completed by teams of students. At the end of the experience a final report and presentation will be required.

CSC 490 - Senior Research Project I, 2 credit hours

Prerequisite(s): Permission of instructor

During this course, students work on the research project defined in the pre-requisite Senior Research Proposal course. Students will conduct their research, making presentations along the way to obtain valuable feedback from the instructor and fellow students. Progress on the project will be sufficient to enable completion of the research, writing of a thesis and presentation of the work in the subsequent course.

CSC 491X - Senior Research Project II, 1 credit hour

Prerequisite(s): Permission of instructor

This course focuses on completion of the research project defined in the pre-requisite Senior Research Proposal course and developed in the pre-requisite course. Students will continue to conduct their research, making presentations along the way to obtain valuable feedback from the instructor and fellow students. Successful completion of the course will require completion of the research, writing of a thesis on the work, and presentation of the completed project.

Criminal Justice

CRJ 050(I) - Independent Study, Credit hours to be arranged

Notes: (Elective)

Students must generally have at least a 3.0 overall G.P.A. See Independent Study Program.

CRJ 070X - Internship, Credit hours to be arranged

Notes: (Elective)

An internship with various criminal justice agencies is available to give students the opportunity to gain practical exposure to the workings of the criminal justice system. Criminal Justice majors are advised to see the director or assistant director of the Criminal Justice program regarding internship opportunities. Students must have junior or senior status to participate. Students should see the director/assistant director at least one semester before the semester that they plan to do the internship. Competitive internships will be announced and may have more stringent requirements. The availability of specific internships may vary.

CRJ 165 - Overview of the Criminal Justice System, 4 credit hours

This course examines the criminal justice system, consisting of police, courts and corrections. Acquainting the student with critical issues confronting these subsystems and our society will be of paramount importance. Major topics may include due process, police role, pretrial release, prosecutorial discretion and sentencing.

CRJ 207 - Introduction to Law, 3 credit hours

This course represents a basic introduction to the American legal system. Particular emphasis is placed on identifying the various types of law and the types of conflicts they are intended to resolve. Students will be introduced to the analysis of court decisions as a means to understanding some of the processes of legal reasoning. The course examines the law and the legal system from the perspective of the social sciences.

Crosslisted: POL 207

CRJ 223 - Juvenile Delinquency & the Juvenile Justice System, 3 credit hours

This course examines competing theories of juvenile delinquency; measures which aid in the prevention and control of this behavior are also addressed. Juvenile justice procedures and cases are presented. Attention is also given to the social consequences of juvenile delinquency and to the corresponding legal and social reactions.

Crosslisted: SOC 223

CRJ 255 - Forensic Science and Criminalistics, 4 credit hours**Prerequisite(s):** CRJ 165

Forensic Science and Criminalistics is an introductory survey course reviewing the historical development of the field of forensic science, the meaning of evidence and the scientific analysis of evidence in the context of law and criminal investigation. Examples of topics include physical evidence, organic evidence, document evidence, firearm and tool evidence, fingerprints and witness evidence. Students will engage in hands on learning opportunities including demonstrations and labs designed to illustrate and apply course concepts or exemplify skills from the field.

Attendance at guest speakers and field trips may be required.

CRJ 256 - Criminal Investigations, 3 credit hours**Prerequisite(s):** Sophomore or higher status

This course is an introduction to criminal investigation procedures. It includes a review of the historical development of the investigative process, its relation to law enforcement and the techniques employed in conducting a systematic inquiry and investigation. Investigative concepts and strategies including sources of information, solvability factors, interviewing techniques, the uses of forensic sciences in criminal investigations and Constitutional decisions affecting how investigations are conducted will be considered.

CRJ 259 - Faculty-student Collaboration, Credit hours to be arranged**CRJ 265 - Policing in Society, 3 credit hours**

This course will provide students with a knowledge of the role and functions of the police in our society. Critical issues facing the law enforcement community and our society will be addressed. The primary focus will be on the municipal level, with selective coverage of other levels (county, state, federal) as deemed necessary.

Crosslisted: SOC 265**CRJ 270I - Terrorism: Roots and Responses, 3 credit hours**

Terrorism is often touched on in the news, but how much do you really know about its causes and consequences? Among the topics that are explored are: how terrorism is defined (and sometimes justified), the factors that promote its existence, features of terrorist organizations, the impact of media coverage of terrorist incidents, and the array of counter-terrorism measures undertaken by governments. While the course examines various terrorist campaigns around the world—past and present—the emphasis is on what is sometimes referred to as the “new terrorism.” That is, religiously motivated violence involving radical Islamist factions whose terrorist tactics and extreme violence set it apart from other examples of terrorist campaigns.

Crosslisted: SOC 270I**CRJ 277 - Race, Gender & Justice, 3 credit hours****Prerequisite(s):** SOC 100D or CRJ 165

This course explores the intersection between race and gender inequalities and the criminal justice system. It will examine the nature and extent of gender and racial/ethnic minorities as offenders, as victims, and as workers in the criminal justice system. The course will explore theories of criminality, race/ethnicity and gender. The impact of criminal justice related law, policy, and practice on inequalities gender and the larger implications for society and culture will be considered.

CRJ 309 - Criminal Law and the Constitution, 3 credit hours**Notes:** Recommended background: POL 101D or American history

An overview of modern criminal law, both substantive and procedural. Includes such topics as crimes against the person and property. Also includes constitutional law decisions on criminal law in the US: exclusionary rules, right to counsel, fair trial procedures and capital punishment are among the topics discussed. Recommended for Criminal Justice majors and Pre-law students.

CRJ 313 - Criminology, 3 credit hours**Prerequisite(s):** SOC 100D

This course focuses on the sociological aspects of crime. The course will include an examination of the nature of

criminal law, the variety of theoretical explanations for criminal behavior, the measurement of crime, patterns of crime and the mechanisms for control of criminal behavior.

Crosslisted: SOC 313

CRJ 320 - Victimology, 4 credit hours

Prerequisite(s): SOC 100D or CRJ 165

This course will cover topics such as the patterns of criminal and victim relationship, theories of victimization, victims' rights and activism, the role of victim in the criminal justice process, and problems of adjustment to victimization and compensating the victim. The various types of victims and victimizations will also be explored. Students will actively participate in the community service, applying and integrating knowledge acquired in the classroom with actual programs, social policies, and concerns of the urban community. Sections of Victimology offering experiential learning credit will include tenets of *Philanthropic Learning* and related content regarding the non-profit sector, grant writing and grant evaluation.

Crosslisted: SOC 320

CRJ 359 - Faculty-student Collaboration, Credit hours to be arranged

CRJ 361 - Corrections, 3 credit hours

The focus of this course will be upon acquainting the student with an analysis of sentencing, probation, parole and a diverse number of "critical issues" in penology. Such issues may include the prison environment, deterrence, rehabilitation, retribution, prison violence, capital punishment, prisoners' rights and reform of the system.

Crosslisted: SOC 361

CRJ 365 - Perspectives on Violence, 3 credit hours

Prerequisite(s): SOC 100D or CRJ 165

Americans today seem to be much more concerned about crime, especially violent crime, than in years past. While this fear is understandable, careful consideration of the "violence problem" leads to different ideas than those generally held in the minds of most citizens and those broadcast on national television. This course is an interdisciplinary inquiry into the patterns and correlates of violence, its various forms, such as interpersonal and collective violence, and attempts to control its occurrence.

Crosslisted: SOC 365

CRJ 459 - Faculty-student Collaboration, Credit hours to be arranged

CRJ 464 - Integrative Seminar in Criminal Justice, 3 credit hours

Prerequisite(s): Participation in Criminal Justice Program, Senior status (Junior or Senior status for Evening/Weekend CRJ majors).

This is a 400-level course limited to Criminal Justice majors or minors. A primary focus is to substantively analyze some of the key issues affecting the subsystems of law enforcement, courts, and corrections, particularly from an ethical, and where feasible, an interdisciplinary perspective. Students will also have an opportunity to explore career options within the criminal justice system.

Dance

DAN 050 - Independent Study, Credit hours to be arranged

DAN 070 - Internship, Credit hours to be arranged

Practical experience in any area of dance.

DAN 201 - Injury Prevention and Health in the Performing Arts, 3 credit hours

This course will provide the student with an opportunity to explore the health and safety issues peculiar to the performing arts (music, voice, theatre and dance), as well as define and develop health-promoting and wellness

behaviors. The course will cover common performance related injuries and health issues and students will learn basic preventive strategies. Students will develop the skills necessary to appropriately examine health and safety-related issues pertinent to the performing artist as a healthy human being.

DAN 214I - Dance History, 3 credit hours

Notes: Required of all dance minors.

A survey course of the history of dance. The course is designed to present to the student a broad overview of dance in various world cultures through the ages. Applicable to the fine arts requirement of the University core and the international studies requirement of the University core.

Semesters Offered: May be offered less frequently than once a year.

DAN 217D - Dance in America, 3 credit hours

Course is designed to introduce the student to the vast discipline of dance. Students will view and read about dance as an art form and as a theatrical vehicle and become more aware of the analysis of form and style and elements of critique in the various genres of dance. The course will trace the American dance scene and its impact on and reflection of American culture. No previous knowledge and/or training in dance is required. Course applicable to fine arts requirement of University core. Some additional cost may be involved for purchase of performance tickets.

DAN 220 - Ballet II Practicum, 1 credit hour

Notes: Required of all dance minors.

Prerequisite(s): HPE 120W

This is a beginning/intermediate level course designed for students to continue developing their technical skills and adding to their ballet vocabulary. Special emphasis will be placed on correct body alignment, spatial awareness, range of motion, and establishing habits that will promote a healthy and safe approach to performing movement.

**This course also has a required studio component in addition to regular class times.*

DAN 221 - Jazz II Practicum, 1 credit hour

Prerequisite(s): HPE 121W

This beginning/intermediate level course focuses on increasing the movement vocabulary of jazz dance technique. Students will start to explore different forms of jazz and styles.

**This course also has a required studio component in addition to regular class times.*

DAN 222 - Modern II Practicum, 1 credit hour

Prerequisite(s): HPE 122W

This beginning/intermediate level course focuses on increasing the movement vocabulary of modern dance technique. Students will learn, comprehend and execute movement drawn from relevant techniques including Graham, Limon, postmodern and release. Special emphasis will be placed on floor work, alignment and spatial awareness in the performance of movement sequences, and establishing habits that will promote a healthy and safe approach to performing movement.

**This course also has a required studio component in addition to regular class times.*

DAN 223 - Tap II Practicum, 1 credit hour

Prerequisite(s): HPE 123W

This beginning/intermediate level course focuses on increasing the movement vocabulary of tap. Students will start to explore different rhythms and tempos.

This course also has a required studio component in addition to regular class times.

DAN 263 - Seminar, 2-4 credit hours

The study of topics relevant to dance. Sample topics include Flamenco Dance, Hip Hop and Partnering. May be repeated more than once, provided the subject or topic is different.

DAN 320 - Ballet III Practicum, 1 credit hour

Notes: Required of all dance minors.

Prerequisite(s): DAN 220

This intermediate level course focuses on continued development of classical ballet technique. Students will learn, comprehend and execute movement drawn from the ballet cannon. Special emphasis will be placed on phrasing and technical competence in the performance of extended combinations.

**This course also has a required studio component in addition to regular class times.*

DAN 321 - Jazz III Practicum, 1 credit hour

Prerequisite(s): DAN 221

This intermediate level course focuses on continued development of jazz dance technique. Students will continue explore different forms and styles of jazz. Special emphasis will be placed on the competence in the performance of extended movement combinations.

**This course also has a required studio component in addition to regular class times.*

DAN 322 - Modern III Practicum, 1 credit hour

Prerequisite(s): DAN 222

This intermediate level course focuses on continued development of modern dance technique. Students will learn, comprehend and execute movement drawn from relevant techniques including Graham, Limon, post-modern and release. Special emphasis will be placed on phrasing and technical competence in the performance of extended movement sequences, improvisational exercises and works from the modern dance repertoire.

**This course also has a required studio component in addition to regular class times.*

DAN 323 - Tap III Practicum, 1 credit hour

Prerequisite(s): DAN 223

This intermediate level course focuses on continued development of tap dancing technique. Special emphasis will be placed on the competence in the performance of extended movement combinations and shading.

**This course also has a required studio component in addition to regular class times.*

DAN 324 - Hip Hop I, 1 credit hour

This introductory course will include warm-up, progressions and choreography. The warm-up will focus on strengthening, stamina, flexibility, finding control in isolated movements, and creating specific lines. Progressions will emphasize weight and directional changes, rhythmic precision, and hip hop grooves. Students will use the information from warm-up and progressions to build choreographed routines. We will explore related hip hop techniques such as locking, popping, breaking and freestyle.

**This course also has a required studio component in addition to regular class times.*

DAN 325 - Pointe I, 1 credit hour

This beginning level class is designed for students who have gained enough strength and technique to begin their pointe training. The course will cover the correct fit, preparation and care of shoes, and focus on developing the foot and ankle strength required for performing basic pointe work at the barre and eventually, in the center, with emphasis on correct body alignment. Students must get permission from the instructor to enroll, and be registered in another dance technique class during the same semester.

**This course also has a required studio component in addition to regular class times.*

DAN 331 - Improvisation & Choreography, 3 credit hours

Notes: Required of all dance minors.

Prerequisite(s): Consent of instructor

This course provides opportunities for experience in the use of improvisational techniques as a basis for the development of skill necessary for the art of choreography. Applicable to the fine arts requirement of the University core. May be offered less frequently than once a year. This course was formerly taught as a two credit hour course. Students who have completed the two credit offering of the course may not enroll in nor receive credit for the three credit course.

DAN 332 - Introduction to Teaching Dance/Movement, 2 credit hours

Notes: Required of all dance minors

This course introduces students to the fundamentals of teaching dance in a studio setting, and prepares them to clearly interpret a choreographer's intentions so they can successfully lead a movement rehearsal in preparation for performance.

DAN 420 - Ballet IV Practicum, 1 credit hour

Prerequisite(s): DAN 320

This intermediate/advanced level course is designed for students with a thorough foundation in dance, that have completed Ballet I – III, and those who intend to have a career in the performing arts. Emphasis will be placed on refining classical ballet technique in traditionally structured classes consisting of barre work and extended center combinations. Students will also be challenged to improve their performance and partnering skills and learn and perform classical variations.

**This course also has a required studio component in addition to regular class times.*

DAN 421 - Jazz IV Practicum, 1 credit hour

Prerequisite(s): DAN 321

This intermediate/advanced level course focuses on the continued development of jazz dance technique in varied styles, improvisation and is designed for students with a thorough foundation in jazz and who have completed Levels 1-3. Special emphasis will be placed on refining technique, phrasing and technical competence in the performance of extended movement combinations.

**This course also has a required studio component in addition to regular class times.*

DAN 423 - Tap IV Practicum, 1 credit hour

Prerequisite(s): DAN 323

This intermediate/advanced level course focuses on the continued development of tap dancing, improvisation and is designed for students with a thorough foundation in tap and who have completed Levels 1-3. Special emphasis will be placed on refining technique, phrasing and technical competence in the performance of extended movement combinations.

**This course also has a required studio component in addition to regular class times.*

DAN 424 - Hip Hop II, 1 credit hour

Prerequisite(s): DAN 324

This course will focus on continued development of Hip Hop dance. Warm-up, progressions and choreography will be part of each class. A stronger emphasis will be placed on learning choreography quickly. Movements will be more intricate with challenges in musicality. We will continue to explore various styles of hip hop movement.

**This course also has a required studio component in addition to regular class times.*

DAN 425 - Pointe II, 1 credit hour

Prerequisite(s): DAN 325

This beginning/intermediate level class is designed for students who have successfully completed Beginning Pointe Technique. Building on that foundation, students will be introduced to more complex combinations and basic ballet variations. Students must get permission from the instructor to enroll, and be registered in another dance technique class during the same semester.

**This course also has a required studio component in addition to regular class times.*

Diversity Studies

DST 070 - Internship, 1-12 credit hours

DST 463 - Seminar in Diversity Studies, 3 credit hours

This is an integrative seminar intended to help students achieve an ability to deal with complex problems relating to the diversity of American society. The course is intended to help students integrate the knowledge they have acquired from their elective courses; conceptual issues will be of great importance. The seminar will culminate in a research paper or other appropriate project. The seminar, which may be team taught, will deal with selected topics chosen by the professors offering the course.

Economics

ECN 050 - Independent Study, 1-4 credit hours

Intended to encourage the development of study in the broadest sense, utilizing every avenue to the development of a creative and critical exchange of ideas. The number of credit hours involved will depend on the nature of the independent study program undertaken by the student. Independent study courses are not designed to serve as substitutes for any course offered in the department. They are intended to give students an opportunity to expand their knowledge and give critical analysis to specific areas of economics. See Guidelines for Independent Study available in the Economics Department office for further information.

ECN 070 - Internship, 1-8 credit hours

Economics majors and other students interested in economics are encouraged to participate in the Internship Program. The purpose of the Program is to enable students to broaden their horizons by merging valid work experience with classroom training. All Internship programs in economics must be coordinated through the Office of Career Services and the Department of Economics. See Guidelines for Internships available in the Economics Department office for further information.

ECN 100 - Survey of Economics, 3 credit hours

Prerequisite(s): Math readiness only.

Designed partially to fulfill the general curriculum requirement in social science. (Also see requirements for BUS minors and for EDU Middle Childhood.) A study of economic relationships, problems and institutions. ECN 100 may not be taken for credit if a student has earned previous credit for ECN 201 and/or ECN 202.

ECN 103 - Problem Solving in Microeconomics, 1 credit hour

Prerequisite(s): MTH 121 or higher

Corequisite(s): ECN 201

A course for students of Principles of Microeconomics, emphasizing the use of algebraic tools to the economic analysis of problems involving competitive markets, profit maximization, benefit/cost, strategic behavior, and the like.

ECN 104 - Problem Solving in Macroeconomics, 1 credit hour

Prerequisite(s): MTH 121 or higher

Corequisite(s): ECN 202

A course for students of Principles of Macroeconomics, emphasizing the use of algebraic tools to the economic analysis of problems involving macroeconomic equilibrium, economic growth, monetary and fiscal policies, and the like.

ECN 110 - Economics of Social Issues, 1-3 credit hours

An introductory course designed to explore contemporary social issues using an economist's perspective. Emphasis placed on understanding context, economic principles, evidence, and alternative policy solutions. Three specific topics varying semester-to-semester. May include economics of crypto-currency and blockchain, universal basic income (UBI), superstars, public arts, health care, or fraud. Not a survey of economics course.

ECN 150I - Humans & The Earth: Can We Coexist?, 3 credit hours

This team taught course examines global environmental issues, such as climate, energy, development, biodiversity, and population from interdisciplinary perspectives. These perspectives will vary depending upon the academic

disciplines of the three faculty members who instruct the course. Students in the old core will satisfy three core credits, either in the sciences (BIO 150I), the social sciences (ECN 150I/POL 150I), or the humanities (HUM 150I) and an International course requirement. Offered as SUS 150I, BIO 150I, HUM 150I, ECN 150I, and POL 150I in the new core, the the course satisfies the Interdisciplinary requirement and is counted towards the International requirement. Humans and the Earth is also a required course for the Sustainability Program major and minor. It may be counted towards the requirements of the Sustainability Program Certificate.

ECN 163 - Topics in Economics, 1-3 credit hours

Examination of special topics in economics.

ECN 201 - Principles of Economics I (Micro), 3 credit hours

Prerequisite(s): MTH 121 or higher, or completion of 30 credit hours.

Principles and problems of microeconomics: price, value and distribution. Economic decision making under different market structures is analyzed. Emphasis is placed on the efficient allocation of resources by firms and owners of the factors of production.

ECN 202 - Principles of Economics II (Macro), 3 credit hours

Prerequisite(s): ECN 201

Principles and problems of macroeconomics: national income, employment, inflation, economic growth, monetary and fiscal policies, international economics and alternative economic systems.

ECN 259 - Faculty-student Collaboration, Credit hours to be arranged

ECN 279 - Basic Statistical Methods, 3 credit hours

Prerequisite(s): MTH 120 or higher

Introduction to basic statistical concepts and techniques including descriptive statistics, probability, and inferential statistics including sampling distributions, confidence intervals, hypothesis testing, correlation and regression. Emphasis is placed on data analysis and quantitative literacy with applications in economics, business and the social sciences.

ECN 288X - Engineering Economics, 3 credit hours

Prerequisite(s): MTH 142

A course for advanced students of Economics or Engineering. Topics and applications explored in the first half of this course will include: time value of money as applied to problems of investment, optimal search, product life, and optimal harvesting; benefit-cost problems as applied to infrastructure, bio-diversity, and community amenity projects; problems in project selection as applied to risk management involving R&D projects. In the second half of the course, teams of students will address and solve a complex problem for a client in the local community.

ECN 301 - Intermediate Economics I (Micro Theory), 3 credit hours

Prerequisite(s): ECN 201

An in-depth intermediate level discussion of price and value theory, as well as distribution theory. The economic decision-making process of consumers, business firms and owners of factors of production operating under different market structures is given rigorous analysis.

ECN 302 - Intermediate Economics II (Macro Theory), 3 credit hours

Prerequisite(s): ECN 202

An in-depth intermediate level discussion of macroeconomics, including an analysis of income determination through the classical and Keynesian models. The analysis includes an examination of the theories of consumption and investment, the nature and causes of business cycles, and the determinants of economic growth.

ECN 320 - Research Methods and Design, 2 credit hours**Prerequisite(s):** ECN 201, ECN 202 & ECN 279**Corequisite(s):** ECN 321

A lecture-laboratory combination prepares students to conduct research in economics. Topics covered include research design and data collection, overview of the research process in economics, preparation of survey article, draft of a research proposal, and proficiency using a software application(s) for graphing, simulating, and computing.

ECN 321 - Data Analysis Lab, 1 credit hour**Prerequisite(s):** ECN 201, ECN 202 & ECN 279**Corequisite(s):** ECN 320

A lecture-laboratory combination prepares students to conduct research in economics. Topics covered include research design and data collection, overview of the research process in economics, preparation of survey article, draft of a research proposal, and proficiency using a software application(s) for graphing, simulating, and computing.

ECN 339 - Money & Banking, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 202

A study of the history, organization and operation of monetary and banking institutions, including the money markets, their role in the functioning of the economy and monetary and fiscal policies.

ECN 340I - History of Economic Thought, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 201, ECN 202

This course examines the evolution of ideas from the earliest of progenitors to modern times. It particularly emphasizes the development of economic theory and methods of the Classical, Marxists, Neoclassical and Keynesians.

ECN 341 - US Economic History, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 201, ECN 202

This course is a survey of the economic development of the United States. It emphasizes the development of commerce and industry, the structural changes in the economy, and the policy adaptations to these changes.

ECN 344 - Game Theory, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 201 or POL 101D

This course addresses the nature of competition and cooperation in economics and business, as well as how cooperative behavior evolves. The notion of Prisoner's Dilemmas and the means by which players and societies extract themselves from the dilemma of individual vs. social rationality will be our focus. We will ask whether purely self-interested behavior is always in the "best" interests of the individuals involved or whether there are long-term benefits of cooperation.

ECN 349D - Labor Economics, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 201

Application of microeconomic theory to the analysis of the 21st century American labor market. Labor supply and demand, human capital investment, compensating wage differential, labor mobility, occupational segregation, labor market discrimination, and government policies are examined in the context of current trends and institutional features highlighting the differing employment experiences of men-women, racial and ethnic groups, and other marginalized groups in modern America.

ECN 352 - Public Finance, 3 credit hours**Prerequisite(s):** ECN 201

A study of the economic basis for governmental activity. Emphasis is placed on efficiency, market failure, externalities, public goods and collective choice. The theory of taxation and tax incidence is discussed and applied to contemporary tax policy issues. Alternative means of financing government activity and the distribution of powers among governments in a federal system are analyzed.

ECN 354 - Law and Economics, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 201

This upper-level course presents an economic view of the justice system. Topics include principles of welfare economics as applied to property, contract, and tort law. It also examines the economics of deterrence of both financial and capital crime.

ECN 356D - Urban & Regional Economics, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 201

A study of growth and development of cities and regions. Economic theories of urban and regional development are studied. Topics include determinants of business location decisions, regional economic growth or decline, population shifts, employment opportunities, and inter/intra-regional competition and trade.

ECN 358 - Environmental Economics, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 201

A study of the economic approaches to environmental and natural resource issues. The study includes the ideas, concepts, and theories that have influenced economists in the formulation of environmental and natural resource policy. The greater emphasis will be on environmental economics.

ECN 359 - Faculty-student Collaboration, Credit hours to be arranged**ECN 360I - The Global Economy and Comparative Systems, 3 credit hours****Prerequisite(s):** ECN 100 or ECN 202

A comparative study of the organizational arrangements, policies, and outcomes of different economic systems in theory and as practiced in various nations of the world.

ECN 362I - Economics of Developing Countries, 3 credit hours**Prerequisite(s):** ECN 201 or ECN 202

A study of issues and problems of the economic development of emerging countries: concepts of development and growth, theories of development, domestic and international significance of development plans.

ECN 363 - Topics in Economics, 1-3 credit hours

Examination of special topics in economics.

ECN 365I - International Economics, 3 credit hours**Prerequisite(s):** ECN 100 or ECN 202

A study of the economic relations among the nations, the causes and effects of international specialization and exchange, structural changes in the international economy, and international economic policies. The course emphasizes (1) the theory of international trade and (2) the theory of international finance, including a unit on economic integration (common markets).

ECN 379 - Advanced Statistical Methods, 3 credit hours**Prerequisite(s):** ECN 279

A continuation of ECN 279 into advanced statistical techniques and use of software for data analysis. Topics include multiple linear regression, hypothesis testing, and addressing deviations from the assumptions of the classical linear model including omitted variables, multi-collinearity, heteroscedasticity, serial correlation. Learners will choose a research question, perform an analysis, and produce a written report.

ECN 425 - Mathematical Topics in Economics, 3 credit hours**Prerequisite(s):** MTH 142, MTH 211 and ECN 301 or ECN 302

Topics include advanced micro and macro theory. Required for the Mathematical Economics major.

ECN 459 - Faculty-student Collaboration, Credit hours to be arranged

ECN 464 - Research Seminar, 3 credit hours

Prerequisite(s): Completion of all required courses for Economics majors and senior standing or permission of instructor; for non-majors senior standing or permission of instructor.

In this senior capstone experience students will review and discuss the main research methods used by economists. Students will undertake a capstone research project following the scientific method. Students will select and refine a research question. A thorough research of the literature will be conducted. Hypothesis construction, data analysis, and conclusions will be premised on economic theory. Results will be presented and discussed at various stages of the research process. As a Writing Extension course students will engage in instructor guided, authentic writing opportunities.

ECN 491 - Departmental Thesis/project, Credit hours to be arranged

Open only to students receiving permission of the Dean of the University and having at least a 3.00 cumulative point average. Departmental Thesis/Projects are intended to afford the student an opportunity to engage in a study of a fairly comprehensive field of knowledge, to carry on original investigation where this is possible, and to develop the ability to express oneself. The student works under the direction of a faculty member for Departmental Thesis/Project work. The Guidelines for Departmental Thesis/Project are available in the Economics Department office.

ECN 492 - Departmental Thesis/project, Credit hours to be arranged

Open only to students receiving permission of the Dean of the University and having at least a 3.00 cumulative point average. Departmental Thesis/Projects are intended to afford the student an opportunity to engage in a study of a fairly comprehensive field of knowledge, to carry on original investigation where this is possible, and to develop the ability to express oneself. The student works under the direction of a faculty member for Departmental Thesis/Project work. The Guidelines for Departmental Thesis/Project are available in the Economics Department office.

Education

EDU 101X - Introduction to Education and Teaching, 3 credit hours

Prerequisite(s): This course includes a field experience. To complete the experiential requirement, BOTH EDU 101X AND EDU 103DX must be completed at BW.

This course will introduce the beginning student in professional education to teaching at the various levels and licensure areas. Students will explore the foundation of American education; emerging models of teaching; structural reforms; diversity of learners; multicultural education; state and national standards; and issues and trends affecting education. In addition to the scheduled class time, a 15 clock-hour field observation will be required as part of the course requirements.

EDU 103DX - Education of Children with Special Needs, 2 credit hours

Prerequisite(s): This course includes a field experience. To complete the experiential requirement, BOTH EDU 101X AND EDU 103DX must be completed at BW.

Prerequisite/Corequisite: EDU 101X may be taken concurrently. For music therapy or music education students either MUC 151 or MUC 171 are co or prereqs.

This is a survey course designed to introduce the students to characteristics of learners with special learning, physical and emotional needs. Public laws, court cases, teaching and accommodation strategies will be explored as they relate to trends in reaching students with disabilities, gifts and talents, and diverse cultural needs in both special education and inclusive K-12 settings.

A field experience is required.

EDU 114 - 21st Century Productivity Tools, 1 credit hour

This course provides students with a foundation for the effective use of technology for their own learning experience and for their preparation as effective 21st Century professionals. Topics include digital citizenship, copyrights, podium management, and technology platforms. Also included is a review of common software and hardware employed for presentations, productivity, and to encourage individuals' responses and interactions to enhance learning. The successful student will complete the course with the skills needed for managing multiple types of professional documents in various contexts across several digital platforms.

EDU 201 - Teaching Strategies and Management Skills, 3 credit hours

Prerequisite(s): PSY 100 and completion of 100 level EDU courses

Corequisite(s): Must be taken concurrently with EDU 214

Students will study general strategies for teaching students ages 3 through 21. Areas to be included are: planning for instruction; questioning, probing, and reinforcement skills; classroom management theories and techniques; observational, clinical and peer teaching skills.

EDU 203 - Theoretical Foundations in Early Childhood Education, 3 credit hours

Prerequisite(s): Completion of 100 level EDU courses

Corequisite(s): May be taken concurrently with EDU 204

This course is designed to provide students with an overview of programs in early childhood education (ages 3-8). Attention will be given to the early childhood profession, its historical, philosophical, and social foundations and how they influence current thought and practice. The purpose of the course is to develop candidates' understanding of the theoretical underpinnings that influence instruction in early childhood education. The course will provide the theoretical basis which guides teaching and learning.

This course includes a 25 hour field experience in a preschool setting.

EDU 204 - Phonics and Spelling Development, 3 credit hours

Prerequisite(s): Completion of 100 level EDU courses

Corequisite(s): May be taken concurrently with EDU 203

This course focuses on phonics content and developmental spelling. Students will learn strategies for teaching phonics and spelling in the literacy curriculum.

EDU 205 - Introduction to Middle Childhood Education, 3 credit hours

Prerequisite(s): PSY 100; Completion of 100 level EDU courses; EDU 201 or EDU 207.

The students will study the philosophy, curriculum organization, and goals of middle childhood education. The nature of emerging adolescent learners and teaching methodologies unique to this population will be emphasized.

EDU 206 - Introduction to Adolescent Education, 2 credit hours

Prerequisite(s): Completion of 100 level EDU courses

This course is an overview of adolescent education for students ages 12 through 21. Current issues confronting the secondary school will be addressed.

EDU 207 - Planning Instruction and Guiding Young Children, 3 credit hours

Prerequisite(s): Completion of 100 level EDU courses and EDU 203

Corequisite(s): Must be taken concurrently with EDU 214

In this course, students will examine factors which are necessary to create responsive learning environments for young children. They will also learn to plan developmentally appropriate instruction and will consider the varied curricular domains of effective early childhood programs. This course will further introduce students to techniques for guiding, supporting, and encouraging young children's positive behavior.

EDU 210 - Classroom Dynamics: Environments, Families, and Community Partners, 3 credit hours

Prerequisite(s): Completion of all 100 level EDU courses

Classroom Dynamics: Environments, Families and Community Partners will provide students with knowledge to develop the educational environment for students. The skills to develop a solid plan to communicate with parents and community partners will be highlighted, in order to learn how to garner support.

A community-based field experience is required.

EDU 211D - Exploring Education in a Diverse Society, 3 credit hours

Prerequisite(s): ENG 131 and Sophomore standing

The aim of the course is to sensitize teacher education candidates and other interested students to the differing needs of children/adolescents and to foster an exploration of their beliefs and experiences with regard to issues of

diversity. Participants in the course will understand critical concepts of teaching and learning in a multi-cultural classroom. A field experience is required.
This course meets the Writing Extension Core requirement.

EDU 214 - Media Resources for the Education Professional, 2 credit hours

Corequisite(s): Completion of 100 level EDU courses; Must be taken concurrently with EDU 201 or EDU 207
This course introduces and provides hand-on activities with audio, video, and on-line tools in an educational context. The successful candidate will complete the course with a portfolio of media and on-line work samples suitable for making instructional decisions and designing learning activities appropriate for pre-K-12 students and teacher presentations.

EDU 221 - Language Development and Emergent Literacy, 3 credit hours

Prerequisite(s): Completion of 100 level EDU courses; & EDU 203, EDU 204.
Students will study techniques, materials, and theories of language acquisition and early literacy development. Topics include language development, oral language instruction, and teaching strategies to support emerging readers and writers (ages 3-8).

EDU 274 - Introduction to Students with Mild/Moderate Educational Needs, 3 credit hours

Prerequisite(s): Completion of 100 level EDU courses
This course is a study of historical and current definition, characteristics, and needs of students with Mild/Moderate Educational Needs (ages 5-21), and how they change through the lifespan. Focus will be on academic, behavioral, and social assessment and interventions based on current research and inclusive, co-teaching models.
A field experience is required.

EDU 276 - Behavioral Management for Students with Mild/Moderate Educational Needs, 3 credit hours

Prerequisite(s): Completion of all 100 level EDU courses; & EDU 274
This course is a study of classroom management approaches for learners ages 5-21, including behaviorist, psychodynamic, environmental, and biophysical models with their legal and ethical implications. Baseline data collection, target behaviors, token economies, contracts and certificates, group processes, medical interventions, and classroom arrangements behavior management and intervention planning are discussed.
A field experience is required.

EDU 301 - Arts Integration in the Early Childhood Education Classroom, 3 credit hours

Prerequisite(s): Completion of all 100 & 200 level EDU courses; and either ART 102I or MUL 172
This course introduces ECE students to the concepts of Art and Music integration in regular classroom instruction. Throughout the course students will learn techniques to integrate different art and music techniques into early childhood regular education curriculum to enhance lessons and improve student achievement and appreciation of the arts.

EDU 310I - Education in Guatemala, 2 credit hours

Prerequisite(s): Junior level status
Students will explore the educational system of Guatemala. Students will prepare for their work in Guatemala by designing teaching strategies and a plan for teaching and modeling. Topics to be covered in the course will prepare the students to understand the history and current political status of the country.

EDU 314 - 21st Century Classroom Technology, 1 credit hour

Corequisite(s): Must be taken concurrently with methods course(s)
The technology laboratory is delivered in the form of mini workshops and one-on-one facilitation. Candidates will be supported during their methods coursework and field experiences as they develop a range of skills to complete assignments and lessons that infuse and integrate technology. The lab must be taken concurrently with the content methods course associated with the candidates' major teaching field(s).

EDU 315 - Second Language Acquisition & Pedagogy for the English Language Learner, 3 credit hours

Prerequisite(s): EDU 211D & Sophomore Standing.

This course will provide an introduction to the psycholinguistics, sociolinguistics and issues relating to learning English as a Second Language. The course will also cover theories of Second Language Acquisition and various approaches to teaching English to speakers of other languages. A field experience is required.

EDU 316 - Assessment & Evaluation Tools for the ESL Classroom, 3 credit hours

Prerequisite(s): EDU 211D, EDU 315

In this course, enrolled students will discuss formative and summative assessments specific to the English Language Learner in the K12 classroom. Enrolled students will develop an understanding of how to assess or evaluate the English Language Learner's progress in the development of his/her proficiency in both academic and social language. A field experience is required.

EDU 323 - Processes & Inquiry in Science/Social Studies in Early Childhood, 3 credit hours

Prerequisite(s): Completion of all 100 and 200 level EDU courses

Corequisite(s): Must be taken concurrently with EDU 330 & EDU 333

This course is based on an integrated approach to giving young children the opportunity to develop the skills and problem solving approaches needed to understand concepts in science and social studies. Students will learn to use hands-on, inquiry-based approaches to instruction in science and social studies.

A field experience is required.

EDU 330 - Assessment and Data Based Decision Making in Early Childhood Education, 3 credit hours

Prerequisite(s): Completion of all 100 and 200 level EDU courses.

Corequisite(s): Must be taken concurrently with EDU 323 & EDU 333.

This course introduces students to assessment strategies appropriate for use in early childhood learning settings. Alternatives to formal standardized testing including naturalistic, authentic, and performance assessment will be investigated. The course addresses current issues relevant to assessment in early childhood education. Students will learn strategies of data-based decision making.

A field experience is required.

EDU 333 - Reading Instruction in Early Childhood Education, 3 credit hours

Prerequisite(s): Completion of all 100 and 200 level EDU courses.

Corequisite(s): Must be taken concurrently with EDU 323 & EDU 330.

Students will study the techniques, materials and philosophical approaches to literacy instruction for children ages 3-8. This will include topics such as comprehension instruction, vocabulary development, emergent writing, motivation, and instruction for diverse learners (ELL).

A field experience is required.

EDU 334 - Diagnostic and Remedial Reading Methods, 3 credit hours

Prerequisite(s): Completion of all 100 and 200 level EDU courses; and either EDU 333 or EDU 343.

Corequisite(s): Must be taken concurrently with EDU 314, EDU 337.

Students will study diagnostic and remedial techniques for teaching reading to students who are experiencing difficulty in reading. This course is designed for students preparing to teach in early childhood, middle childhood, and mild/moderate educational needs settings. This course meets the Quantitative Extension Core requirement.

A field experience is required.

EDU 337 - Mathematics Instruction in Early Childhood Education, 3 credit hours

Prerequisite(s): MTH 113; Completion of all 100 and 200 level EDU courses.

Corequisite(s): Must be taken concurrently with EDU 314, EDU 334.

Students will study the methods and materials applicable to teaching mathematics to children ages 3-8. A problem-solving approach will be emphasized.

A field experience is required.

EDU 340 - Assessment and Data Literacy, 3 credit hours

Prerequisite(s): PSY 100; Completion of all 100 and 200 level EDU courses.

Students will study foundations of measurement, assessment, data analysis of student achievement in diverse settings. Students will develop skills in formative assessment, value added analysis, constructing grading systems, constructing multiple types of assessments, and communicating assessment results.

A field placement is required.

EDU 343 - Literacy Instruction with Adolescents, 3 credit hours

Prerequisite(s): Middle Childhood students take EDU 201, EDU 204, EDU 205, EDU 211D & EDU 214. Adolescent Young Adult students take EDU 201, EDU 206 & EDU 214.

Students will study the techniques, materials, and philosophical approaches to reading instruction for students ages 8-14. Included are topics such as: reading comprehension, word identification, reading in the content areas, integrating literacy instruction across the curriculum, using literature to teach reading, assessment and teaching reading in diverse classrooms.

A field experience is required.

EDU 345 - Social Studies Instruction in Middle Childhood Education, 3 credit hours

Prerequisite(s): PSY 100; Completion of all 100 and 200 level EDU courses.

Students will study materials and teaching strategies applied to the social studies curriculum for students ages 10-14.

A field experience is required.

EDU 346 - Science/Health Instruction in Middle Childhood Education, 3 credit hours

Prerequisite(s): PSY 100; Completion of all 100 and 200 level EDU courses.

Students will study the methods and materials used in the science/health curriculum for students ages 10-14.

A field experience is required.

EDU 347 - Mathematics Instruction in Middle Childhood Education, 3 credit hours

Prerequisite(s): MTH 111; MTH 112 or MTH 113; Completion of all 100 and 200 level EDU courses.

Students will study the materials and teaching techniques applicable to teaching mathematics to students ages 10-14. A problem-solving approach will be emphasized.

A field experience is required.

EDU 348 - Reading in the Content Area, 3 credit hours

Prerequisite(s): PSY 100; Completion of all 100 and 200 level EDU courses.

This course is a study of strategies for teaching reading in the content areas. It is required for Middle Childhood, AYA, and Multi-Age majors.

A field experience is required.

EDU 349 - Literacy Assessment & Remediation for Adolescents, 3 credit hours

Prerequisite(s): Completion of 100 and 200 level EDU courses; & EDU 333 or EDU 343.

Students will study assessment and remediation techniques for teaching adolescents who are experiencing difficulty with reading and writing. This course is designed for students preparing to teach AYA English, Middle Childhood, or adolescents in Mild/Moderate Education.

A field experience is required.

EDU 350-357 - Special Methods in Adolescent Young Adult/Multi-age Teaching Field, 3/4 credit hours

Prerequisite(s): Completion of 100 and 200 level EDU courses; EDU 340; other teaching field(s) prerequisites or co-requisites may be required.

These courses are designed to provide a special teaching methodology in the student's teaching field. In-school experiences are required as part of the course.

A field experience is required.

EDU 351 - Special Methods for Integrated Language Arts, Adolescent/ Multi Age Teachers, 3 credit hours

Prerequisite(s): See EDU 350-357

The School of Education offers a special section of EDU 351 through the English Department for students seeking licensure in English.

EDU 357 - Special Methods in Secondary Teaching Field, 3 credit hours

See EDU 350-357 description.

EDU 375 - Internship in Adolescent/Young Adult Education, 2 credit hours

Prerequisite(s): Complete all 100 and 200 level EDU courses; EDU 340.

Corequisite(s): Must be taken concurrently with EDU 314, EDU 348 and AYA methods (EDU 350-357)

Internship in Adolescent/Young Adult Education is an extended, supervised field experience during which students will observe and then teach in their licensure area in a high school setting. The experience will follow a developmental sequence in which students gradually assume responsibility for instruction and assessment in their field placements. The field experience is required and will be about two hours a day, Monday - Friday for approximately 14 weeks.

Graded: *Course graded S/U*

EDU 377 - Assessment for Students with Mild/Moderate Educational Needs, 3 credit hours

Prerequisite(s): EDU 103DX & EDU 274.

This course is the study of the use of formal and informal diagnostic instruments used for planning individual instruction for students with mild/moderate educational needs. Includes authentic, portfolio, curriculum-based, performance, and alternative assessment as well as standardized tests. Procedures for using such information for placement decisions and on IEPs are discussed. A field experience is required.

EDU 394 - Remediation Across the Curriculum, 3 credit hours

Prerequisite(s): EDU 103DX, EDU 274 & EDU 377.

This course is designed to give an understanding of the K-12 curriculum to students who are seeking the Intervention Specialist license in Mild/Moderate Educational Needs. Integrated content methods and accommodations in reading/language arts, math, science/health, and social studies will be explored. Methods and materials used to teach these students with mild/moderate educational needs (ages 5-21) will be examined.

A field experience is required.

EDU 415 - Clinical Practice in Mild/Moderate Educational Needs, 5 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a period of guided teaching of students with mild/moderate educational needs under the direction of a certificated/licensed special educator. This half-semester experience is completed by candidates seeking dual licensure in mild/moderate educational needs and another licensure/program area. Application required.

EDU 417 - Clinical Practice in Early Childhood Education, 4 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a supervised program of observation, participation and classroom teaching experiences in an early childhood setting. This half-semester experience is completed by candidates seeking dual licensure in mild/moderate educational needs and early childhood education. Application required.

EDU 418 - Clinical Practice in Middle Childhood Education, 4 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a supervised program of observation, participation and classroom teaching experiences in two chosen subject areas in a middle childhood setting. This half-semester experience is completed by candidates seeking dual licensure in mild/moderate educational needs and middle childhood education. Application required.

EDU 419 - Clinical Practice in Adolescent Young Adult/Multi-Age Education, 4 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a supervised program of observation, participation and classroom teaching experiences in a secondary school. This half-semester experience is completed by candidates seeking dual licensure in mild/moderate educational needs and adolescent young adult/multi-age education. Application required.

EDU 475 - Professional Collaboration and Transition Development, 3 credit hours

Prerequisite(s): EDU 103DX & EDU 274.

This course provides an emphasis on collaboration and partnerships with other professionals, paraprofessionals, and parents as team members designing, implementing, and evaluating appropriate educational experiences for persons with disabilities. Characteristics (e.g., SES, cultural background, language, environmental effects, disciplinary/supervisory practices) of families and their effects on teaming, curriculum, instruction will be explored. Additionally, the course will cover topics related to the transition of students with mild/moderate educational needs from special education settings to the general education classroom, from one level of school to the next and from school to community. Issues, resources, techniques to make successful transitions will be explored.

EDU 478 - Clinical Practice in Mild/Moderate Educational Needs (Lic+Masters), 4 credit hours

Corequisite(s): EDU 492 No additional coursework may be taken without the Dean's approval. .

This is a half semester period of guided teaching of students with mild/moderate educational needs under the direction of a certificated/ licensed special educator. Application required.

EDU 480 - Clinical Practice in Early Childhood, 9 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a supervised program of observation, participation and classroom teaching experiences in an early childhood setting. Application required.

EDU 481 - Clinical Practice in Middle Childhood Education, 9 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a supervised program of observation, participation and classroom teaching experiences in two chosen subject areas in a middle childhood setting. Application required.

EDU 484 - Clinical Practice in Mild/Moderate Educational Needs, 9 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a period of guided teaching of students with mild/moderate educational needs under the direction of a certificated/licensed special educator. Application required.

EDU 487 - Clinical Practice, Adolescent Young Adult, 9 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a supervised program of observation, participation and classroom teaching experiences in a secondary school. Application required.

EDU 490 - Clinical Practice, Multi-Age Education, 9 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a supervised program of observation, participation and classroom teaching experiences in elementary, middle and/or secondary schools. Requests for student teaching assignments are limited to schools within a specified distance from Baldwin Wallace University. Placements are made by the School of Education, not by the individual student.

EDU 491 - Clinical Practice in Music Education, 9 credit hours

Corequisite(s): Must be taken concurrently with EDU 492. No additional coursework may be taken without the Dean's approval.

This is a supervised program of observation, participation and classroom teaching experiences in a music classroom setting. Application required.

EDU 492 - Senior Capstone Seminar, 3 credit hours

Corequisite(s): Must be taken concurrently with Clinical Practice

The senior seminar is a capstone course required of all students seeking licensure to teach and is taken concurrently with the clinical practice. It provides an opportunity to synthesize learning from previous course work, field experiences and the clinical practice experience. Reflection, discussion and individual and group activities are used to achieve course objectives. The culminating project is the development of a professional portfolio.

EDU 500 - Advanced Study in Teaching & Learning, 1-4 credit hours

This course is designed to encompass a variety of topics of interest and current need for the professional development of teachers and other post-baccalaureate educators. Coursework will include theory and evidence-based practice. Courses will include an application component that might be applied in the educators' classroom or other appropriate educational setting. The course may be repeated when offered with new topics.

EDU 501 - LHE Integrative Seminar I, 1 credit hour

This seminar is designed to give LHE students an opportunity to explore the integration of their course work and internship experiences. Connections will also be made between student experiences and the profession of higher education, professional organizations, and public policy. Professional development opportunities will also be encouraged.

EDU 502 - LHE Integrative Seminar II, 1 credit hour

This seminar is designed to give LHE students an opportunity to explore the integration of their course work and internship experiences. Connections will also be made between student experiences and the profession of higher education, professional organizations, and public policy. Professional development opportunities will also be encouraged.

EDU 503 - LHE Integrative Seminar III, 1 credit hour

This seminar is designed to give LHE students an opportunity to explore the integration of their course work and internship experiences. Connections will also be made between student experiences and the profession of higher education, professional organizations, and public policy. Professional development opportunities will also be encouraged.

EDU 504 - LHE Integrative Seminar IV, 1 credit hour

This seminar is designed to give LHE students an opportunity to explore the integration of their course work and internship experiences. Connections will also be made between student experiences and the profession of higher education, professional organizations, and public policy. Professional development opportunities will also be encouraged.

EDU 510 - Educational Studies, 3 credit hours

This course provides an overview of the historical, philosophical and sociological foundations of education with the intent of providing the opportunity to formulate, discuss and evaluate educational policies and practices as they relate to the classroom.

EDU 511 - Using Evidence, Research, and Data in Education, 3 credit hours

This introductory course focuses on research techniques and data collection, reporting, and interpreting of educational research. The candidate will have the opportunity to relate research to classroom practice and data-driven decisions.

EDU 512 - Psychological Foundations, 3 credit hours**Prerequisite(s):** EDU 101X & EDU 103DX

Teaching the student in grades 7 through 12 requires a working understanding of the developmental intricacies emerging throughout the adolescent years. This includes integrating the physical, cognitive, and social-emotional changes from the onset of puberty to the formation of a stable identity along with the psychological foundations specific to the adolescent learner. Therefore, educators in this course will examine the implications of developmental factors for learning and teaching the middle school and high school student.

EDU 514 - Instructional Technology Tools & Resources, 3 credit hours

This is an introductory course in educational technology. Candidates will be introduced to a variety of technology tools and digital resources that support 21st Century teaching and learning to include productivity, communication, and collaborative devices. Candidates will design a comprehensive thematic unit using instructional strategies to integrate technology into the curriculum. Also covered are the multitude of issues that impact the uses of technology, the role of technological innovations, and the opportunities presented by technology in the teaching and learning environments.

EDU 515 - Digital Media & Project-Based Learning, 3 credit hours**Prerequisite(s):** EDU 514

This course expands on the pre-production, production and postproduction of digital media, particularly video and audio. These media will be in the context of K-12 classroom technology integration into existing curricula by both teachers and students. Topics to be examined in media production are best practices, scripting & storyboarding of productions, responsible use of digital media in education, aligning media productions to common core standards, and making video and audio that learners can engage with at any time in any place. Candidates will create their own practical classroom media and will learn how to publish and share their productions with a target audience. Also covered in this course will be project-based learning and the use of technology tools as a means to extend the process of inquiry.

EDU 516 - Instructional Design & Technology Integration, 3 credit hours**Prerequisite(s):** EDU 514**Corequisite(s):** EDU 525 required for students pursuing technology endorsement only.

The focal point of this course is the integration of technology through the use of multimedia as a method to address students' learning styles. The course expands on the use of productivity tools, communication & collaborative devices, and the creative and effective educational design of multimedia. Topics covered include 21st Century learning skills, social aspects of computing, and computer-supported cooperative work. This course develops instructional systems design competencies appropriate for the development of computer-assisted instruction applications. Candidates will complete the semester with a technology toolbox filled with digital resources they can readily access for teaching and learning.

EDU 517 - Teacher Leadership: Technology Planning & Implementation, 3 credit hours**Prerequisite(s):** EDU 514**Corequisite(s):** EDU 526 required for students pursuing technology endorsement only.

This course is designed to allow learners to explore the many issues surrounding the planning and implementation of technology in educational settings. The issues include, but are not limited to, the following: technology teacher leadership roles, the development of a technology resources to assure effective and efficient uses of technology that support the instructional and administrative functions of a school; an understanding of basic network concepts & applications, grant writing, implementing and managing local, state and federal policies; professional development; and the complex relationships that exist within the scope of educational technology planning.

EDU 518 - Online Teaching & Learning, 3 credit hours**Prerequisite(s):** EDU 514

This course investigates the many technological tools and methodologies of teaching and learning in the online environment to include both real-time (synchronous) and anytime, anywhere (asynchronous) interactions. Topics covered include desktop video conferencing, electronic field trips in the classroom, simulation education,

communicative and collaborative devices, and virtual schools on the worldwide web. This course focuses on a variety of educational opportunities available in the online and blended learning platforms to include student-centered learning, collaboration, and access to multimedia global resources. Emphasis on quality standards for implementation of online courses will also be stressed.

EDU 520 - Issues & Trends in Educational Technology, 3 credit hours

Prerequisite(s): EDU 514

This course is a culminating experience in educational technology, which integrates and extends the content of other specialization courses. Learning modules are designed to offer an in-depth and practical look at issues and trends facing today's learning environments. The research components allow candidates to further explore topics that are of interest to them. Dynamic multimedia deliveries of student-led presentations are followed by the facilitation of a Q&A with peers to create an optimal hands-on online experience. Some topics to be covered are computer privacy, censorship, online assessment, assistive technology, copyright, emerging technologies, ethics and grantsmanship. Topics will vary with terms.

EDU 521 - Leadership in Higher Educ Internship I, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

A four-semester, twenty-hour per week internship in a student affairs or academic affairs unit. Supervised by the department manager. Evaluated by the supervisor, University liaison and candidate using a common rubric reflecting program outcomes.

EDU 522 - Leadership in Higher Educ Internship II, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

A four-semester, twenty-hour per week internship in a student affairs or academic affairs unit. Supervised by the department manager. Evaluated by the supervisor, University liaison and candidate using a common rubric reflecting program outcomes.

EDU 523 - Leadership in Higher Educ Internship III, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

A four-semester, twenty-hour per week internship in a student affairs or academic affairs unit. Supervised by the department manager. Evaluated by the supervisor, University liaison and candidate using a common rubric reflecting program outcomes.

EDU 524 - Leadership in Higher Educ Internship IV, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

A four-semester, twenty-hour per week internship in a student affairs or academic affairs unit. Supervised by the department manager. Evaluated by the supervisor, University liaison and candidate using a common rubric reflecting program outcomes.

EDU 525 - Tech-Integration Field Experience I, 1 credit hour

Prerequisite(s): EDU 514

Corequisite(s): EDU 516

The field experience(s) in the Educational Technology program consist of classroom and school system-based activities that allow candidates to integrate coursework and apply their knowledge and skills in educational settings. Activities are designed by candidates and supervised by University and school personnel to meet the six major components of the ISTE Standards for Coaches: Visionary Leadership; Teaching, Learning, and Assessments; Digital Age Learning Environments; Professional Development and Program Evaluation; Digital Citizenship, and Content Knowledge and Professional Growth. The goal of the first field experience is to allow candidates at the outset of the course to explore possible field activities and plan for their implementation with the support of an onsite mentor. Activities will then further their understanding of educational technology theory practice and to experience the practical aspects of technology facilitation.

EDU 526 - Leadership Field Experience II, 2 credit hours**Corequisite(s):** EDU 517

The field experience(s) in the Educational Technology program consist of classroom and school system- based activities that allow candidates to integrate coursework and apply their knowledge and skills in educational settings. Activities are designed by candidates and supervised by University and school personnel to meet the six major components of the ISTE Standards for Coaches. The goal of the second field experience is to encourage candidates to take on leadership roles within their education settings. Students will be asked to become a part of a technology committee, develop a technology proposal addressing a district/organizational need or interest, and then facilitating the professional development necessary to support staff in implementation. As technology coaches, candidates will demonstrate professional knowledge, skills, and dispositions in content, pedagogical, and technological areas as well as adult learning and leadership in order to deepen their knowledge and expertise.

EDU 530 - Capstone for Leadership in Technology, 1 credit hour**Prerequisite(s):** All MAEd Leadership in Technology Program Courses

This Capstone course will serve to integrate the skills and conceptual outcomes from each of the program's courses and provides facilitated support for the creation of the capstone digital portfolio assessment. Students are expected to combine the program's technical skills and concepts with sound pedagogy and instruction as defined within the structure of the International Society for Technology in Education (ISTE) National Educational Technology Standards for Coaches. Students will use the many projects they have created and collected throughout the program and develop a unifying theme that correlates the artifacts with the above-mentioned standards. In addition, this course will cover the assessment framework of the ODE Computer/Technology Subtest 016 & 017 in order to prepare candidates seeking this endorsement. Technical expertise is expected to be demonstrated in addition to a complete understanding of standards based education.

EDU 531 - Integrative Seminar, 1 credit hour

Integrative seminars are offered to candidates in the Master of Education in Science Teaching program. The seminars are repeated three (3) times throughout the 4 semester program. Classes are focused on immediate needs for candidates preparing to enter the classroom and offer professional information and support once the field and clinical experiences begin.

EDU 532 - Assessment and Data Literacy, 3 credit hours**Prerequisite(s):** EDU 101X & EDU 103DX

Students will study elements of measurement, assessment, grading systems, and interpretation of classroom and value-added data. Students will construct tests, develop a grading system, demonstrate knowledge of formative and summative assessments, interpret data to identify student needs in diverse settings, and develop an evidence-based educational intervention to address the identified needs.

EDU 533 - Teaching Strategies & Management Skills, 3 credit hours**Prerequisite(s):** EDU 101X & EDU 103DX

Candidates will study the following: understanding the role of a teacher as a reflective decision maker; planning for instruction; accommodating for the needs of all students; developing strategies for the effective delivery of instruction; aligning a variety of assessments to the learning target. Effective classroom management strategies, including the development of a comprehensive three-stage classroom management plan will be developed along with analyzing and applying researched-based best practice instructional strategies and reflecting on the responsibilities of a professional educator.

EDU 534 - Methods in AYA Science Teaching, 3 credit hours

This course is a study of the methods, materials and pedagogy used in the instruction of science curriculum for children ages fourteen through eighteen. This course will provide the instructional strategies that are needed to compliment the content learned in the candidates' respective undergraduate fields, the pedagogy required for the basis of these strategies, and opportunities to practice these methods under expert supervision. The practical course lessons are based on sound educational research and have been tested in the field by several experienced professionals.

EDU 535 - Clinical Practice in AYA Education, 6 credit hours

Prerequisite(s): All coursework completed in MAE in Science Teaching program except EDU 532

Corequisite(s): EDU 531 & EDU 532

Clinical Practice is a supervised program of observation, participation, and classroom teaching experiences in an AYA setting. An application is required.

EDU 536 - Internship in Science Industry, 6 credit hours

Prerequisite(s): Must be completed as final required course in MAE in Science Teaching program

The internship is part of the Master of Arts in Education in Science Teaching degree for grades 7-12. The internship is designed to give candidates authentic and relevant experience in the application of science for future classroom teaching. The course includes integrative class sessions that meet once per week that are designed to encourage reflection and facilitate the integration of the internship experience into the candidates' science instruction.

EDU 541 - Foundations of Reading & Language Arts, 3 credit hours

Notes: Required of all Literacy candidates

This course is a study of the developmental stages of reading and writing, with a specific focus on the 21st Century Skills of critical thinking and problem solving, effective communication and collaboration, and positive interactions with persons across various social and cultural groups. It is an overview of the historical trends and the current theories and models of the reading and writing process.

(25 hours of field experience required for License+Master's candidates only.)

EDU 542 - Teaching Reading in the Content Area, 3 credit hours

This course is an in-depth analysis of content area reading materials and instructional teaching strategies.

Specifically, it focuses on the 21st century skills of information literacy and media literacy. Topics in the course will emphasize the importance of critical thinking and problem solving in teaching and learning in the content areas.

Candidates will study issues and trends in content area reading instruction and will be encouraged to think and work creatively with others and communicate ideas clearly.

(25 hours of field experience required for License+Master's candidates only.)

EDU 543 - Diagnostic and Corrective Reading Methods, 3 credit hours

Notes: Required of all Literacy candidates.

Prerequisite(s): EDU 541 (or waiver); EDU 542

This course is a study of selected evaluation procedures, remedial techniques and causes and correlates of reading problems. It includes practice in planning, implementing and reporting on a diagnostic evaluation.

(25 hours of field experience required for License+Master's candidates only.)

EDU 544 - Practicum in Reading, 3 credit hours

Notes: Required of all Literacy candidates.

Prerequisite(s): EDU 541 (or waiver); EDU 542; EDU 543 and EDU 547

Candidates will evaluate children who have been referred for reading difficulties. They will plan and implement a remedial program for the children.

(75 hours of clinical experience required.)

EDU 545 - Research in Literacy Education, 3 credit hours

Notes: Required of all Literacy candidates.

Prerequisite(s): EDU 541 (or waiver); EDU 542

This course is a study of a variety of research methods in literacy education with emphasis on research designed by teachers to be conducted in classrooms. The course will include an overview of current reading research in areas such as comprehension, vocabulary instruction, word recognition, and writing.

EDU 546 - Child and Adolescent Literature, 3 credit hours

Notes: Required of all Degree-Seeking Literacy candidates

This course is a survey of literature for children and adolescents with attention to criteria and procedures for selecting works appropriate to specific student needs and curriculum objectives.

EDU 547 - Practicum in AYA Literacy, 1 credit hour

Prerequisite(s): EDU 541 (or waiver); EDU 542

Candidates will assess the literacy abilities of a secondary student. Based on the assessment, candidates will plan and implement an individual instructional program to enhance a high school student's literacy skills.

EDU 558 - Public Policy Dimensions of Higher Education, 3 credit hours

This course helps students to understand higher education through an examination of both U.S. and state public policymaking processes in general and selected historical and current public policy. Legal issues that have significantly influenced higher education will also be explored.

EDU 560 - History/Philosophy of Higher Education, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

Assessment and analysis of the goals of U.S. colleges and universities with reflection on their historical development. Included is an analysis of the current state of post-secondary education including changing student populations, evolving delivery systems, and accountability movements as they affect both academic and student affairs functions. Both private and public institutions, with an emphasis on community colleges, will be explored.

EDU 561 - Student & Adult Development in Higher Education Practice, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

An examination of theories describing traditional aged and adult students' growth and change in relationship to the University experience. The application of these theories to programs and practices in student and academic affairs will be assessed. Students will plan programs that reflect the theoretical bases and, where possible, implement and evaluate their effectiveness.

EDU 562 - Funding and Finance in Higher Education, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

An examination of the sources of funding for colleges and universities in various Carnegie categories and across private and public institutions. The role of fundraising in current higher education practice, including grant-making and gift-giving. Also included are comparisons of budgeting strategies, tuition pricing, and the effect of market forces on higher education.

EDU 563 - Advanced Topics in Special Education, 3 credit hours

Notes: Required of all Mild/Moderate Educational Needs candidates.

Prerequisite(s): EDU 573

This course provides the Master's candidate an opportunity to critically analyze and evaluate contemporary issues impacting the field of Special Education. The proponents of issues will be discussed as well as potential explanations of their opinions. The issues will be discussed by considering their impact on student, parent, general and special educator, public school systems, and government. Discussions will consider present and future effects upon Special Education. Students will be conversant in pressing issues of Special Education and able to coherently relate these issues to colleagues. The course will help prepare the graduate student as a leader in the field.

EDU 564 - Ethical Leadership in Higher Education, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

An overview of the effective academic and student affairs leaders. Topics include leadership theory and style as well as details on typical administrative tasks – staff evaluation and development, budgeting strategies, and ethical decision-making. Students will look at the role of grant-writing in creative, entrepreneurial leadership.

EDU 565 - Workshop, 3 credit hours

Topics to be announced. May be used for renewing certification.

EDU 566 - Diversity in Higher Education, 3 credit hours

Notes: Required of all Leadership in Higher Education candidates

An examination of the current status of college/university's management of diversity issues. Students will explore college/university efforts to diversify students' experience and the roles of academic affairs and student affairs in these efforts. Students will also examine programs and practices focused on attracting and retaining diverse students. Issues specific to underrepresented groups on campus, including those of international students, will be addressed.

EDU 567 - Theory & Assessment of Educational Environ., 3 credit hours

An examination of environmental theories as they affect human behavior. Students will assess a variety of campus living and learning environments and employ environmental theory to propose ways to enhance the University experience for all students. Required for interns in Residence Life.

EDU 569 - Counseling Theory and Practice, 3 credit hours

An overview of counseling theories and practices for the higher education administrator. Major counseling theories will be introduced. Emphasis will be placed on career development theories as they relate to the University student. Students will be introduced to career counseling assessment tools. Elementary counseling skills will be introduced with in-class activities allowing for practice and development.

EDU 570 - Capstone Seminar/ Portfolio Development, 1 credit hour

Notes: Required of all Leadership in Higher Education candidates

A one-hour capstone seminar which includes direction in the development of a professional portfolio and a demonstration project.

EDU 571 - Practicum in Student Affairs, 1 credit hour

A field experience in a student affairs setting. The experience is project-based to allow for an indepth understanding on one or more functions of the department. Forty clock hours required.

EDU 572 - Practicum in Academic Affairs, 1 credit hour

A field experience in an academic affairs setting. The experience is project-based to allow for an in-depth understanding on one or more functions of the department. Forty clock hours required.

EDU 573 - Education of Children with Special Needs, 3 credit hours

Notes: Required of all Mild/Moderate Educational Needs candidates.

Prerequisite/Corequisite: Prerequisite: May be taken concurrently with EDU 574

This is a survey course designed to introduce the candidates to characteristics of learners with special learning, physical, and emotional needs. Public laws, court cases, teaching and accommodations strategies will be explored as they relate to trends in reaching students having disabilities, gifts and talents, and diverse cultural needs both in special education and in inclusive K-12 settings.

(15 hours of field experience required)

EDU 574 - Introduction to Students with Mild/Moderate Educational Needs, 3 credit hours

Notes: Required of all Mild/Moderate Educational Needs candidates.

Prerequisite/Corequisite: May be taken concurrently with EDU 573

This course is a study of historical and current definitions, characteristics, and needs of students with mild/moderate educational needs, and how they change through their lifespan. Focus is on academic, behavioral, and social assessment and interventions based on current research and practices in various settings, including resource and inclusive, co-teaching models. Included will be exercises in reading Evaluation Team Reports and writing Individual Education Plans. A field experience is required.

EDU 575 - Professional Collaboration and Transition Development, 3 credit hours

Notes: Required of all Mild/Moderate Educational Needs candidates.

Prerequisite(s): EDU 573, EDU 574

This course provides an emphasis on collaboration and partnerships with other professionals, paraprofessionals, and parents as team members designing, implementing, and evaluating appropriate educational experiences for persons with disabilities. Characteristics (e.g., SES, cultural background, language, environmental effects, disciplinary/supervisory practices) of families and their effects on teaming, curriculum, instruction will be explored. Additionally, the course will cover topics related to the transition of students with mild/moderate educational needs from special education settings to the general education classroom, from one level of school to the next and from school to community. Issues, resources, techniques to make successful transitions will be explored.

EDU 576 - Classroom Management for Students with Mild/Moderate Educational Needs, 3 credit hours

Notes: Required of all Mild/Moderate Educational Needs candidates.

Prerequisite(s): EDU 573

This course is a study of classroom management approaches for learners 5-21, including behaviorists, psychodynamic, environmental, and biophysical models with their legal and ethical implications. Baseline data collection, target behaviors, token economies, contracts and certificates, group processes, medical interventions, classroom arrangements, behavior management, and intervention planning are discussed. A field experience is required.

EDU 577 - Assessment for Students with Mild/Moderate Educational Needs, 3 credit hours

Notes: Required of all Mild/Moderate Educational Needs candidates.

Prerequisite(s): EDU 573, EDU 574

This course is the study of the use of formal and informal diagnostic instruments used for planning individual instruction for students with mild/moderate educational needs. Includes authentic, portfolio, curriculum-based, performance, and alternative assessment as well as standardized tests. Procedures for using such information for placement decisions and on IEPs are discussed. A field experience is required.

EDU 578 - Clinical Practice in Mild/Moderate Education, 5 credit hours

Notes: Required of all License+Master's candidates.

Prerequisite(s): All Methods and Mild/Moderate Educational Needs Courses.

This course is designed for candidates who are not participating in the summer practicum, who have done their regular education student teaching. This experience would be 1/2 semester in length.

EDU 579 - Practicum in Mild/Moderate Educational Needs, 4 credit hours

Prerequisite(s): All Mild/Moderate Educational Needs Courses

Guided teaching of students with mild/moderate educational needs in a supervised setting during the summer. For teachers currently teaching in a special education classroom, half of the field experience can be completed in their own setting in the spring by permission only.

(75 hours clinical experience required.)

EDU 580 - Intro to School Leadership, 3 credit hours

Notes: Required of all School Leadership candidates

This course is aligned with the ISLLC Standards and the administrative knowledge, dispositions, and performances needed in today's diverse school environments. Leadership and learning theories and practices that promote the success of all students will be studied and applied. The candidates will be expected to have a working knowledge of all standards and will apply that knowledge through research, group activities, simulations, and reflections.

EDU 581 - Teaching & Learning, 3 credit hours

Integrated into the course content are the 21st Century Skills of 1) Learning and Innovation-- use of critical thinking skills involved in the analysis of the impact of curriculum theory on curricula in today's schools with an emphasis on team building and working effectively with others; 2) Media and Technology Skills-- engaging in activities that ensure technologies are used in teaching and learning and research, and evaluate information relating to curriculum design

and learning theories; and 3) Life and Career Skills-- students are expected to demonstrate dispositions expected of all educators such as collaboration, professionalism, problem-solving, and responsibility.

EDU 582 - Staff Evaluation & Professional Development, 3 credit hours

Notes: Required of all School Leadership candidates.

Prerequisite(s): EDU 580, EDU 581

This course is aligned with standard 2: A Culture of Learning. Candidates who complete this course will have the knowledge, skills and dispositions to promote the success of all students by promoting a positive school culture, providing an effective instructional program, applying best practice to student learning, and designing comprehensive professional development plans at the building and individual levels.

EDU 583 - Continuous Improvement Planning, 3 credit hours

Notes: Required of all School Leadership candidates.

Prerequisite(s): EDU 580, EDU 581 or EDU 581, EDU 582.

Corequisite(s): Taken concurrently with EDU 584

This course is aligned with standard 1: A Shared Vision and standard 2: A Culture for Learning. Core concepts include an in-depth study of essential elements of developing, implementing, and evaluating plans for continuous improvement; analyzing information and data sources; developing a school vision and establishing a culture of high standards of learning for all; developing and sustaining a professional learning community; and making decisions based on research, expertise of teachers, and recognized standards.

EDU 584 - Pupil Services & Community Resources, 3 credit hours

Notes: Required of all School Leadership candidates.

Prerequisite(s): EDU 580, EDU 581 or EDU 581, EDU 582.

This course is aligned with the following standards and will address content specific to each area: Standard 1 – Candidates completing this course will have the knowledge and ability to promote the success of all students by facilitating the development, articulation, implementation, and stewardship of a school vision of learning supported by the school community; Standard 1.5 – Candidates completing this course will develop the competence to promote community involvement in school vision; Standard 4 – Candidates will develop the knowledge and ability to promote the success of all students by collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources.

EDU 585 - Legal & Ethical Issues, 3 credit hours

Notes: Required of all School Leadership candidates.

Prerequisite(s): EDU 580, EDU 581 or EDU 581, EDU 582, EDU 583, EDU 584.

Corequisite(s): Taken concurrently with EDU 586.

This course is designed to focus on legal and ethical aspects of school leadership responsibilities. It will address the legal structure of educational institutions, the legal rights and responsibilities of students, parents, faculty, staff, administration, and community members. Ethical topics will also be addressed specific to all members and issues included in the greater school community. Candidates in this course will be able to: understand the legal structure in relationship to court actions and the governance structure in schools; understand the interrelationship and application of federal and state constitutions, and federal and state statutes and common law; distinguish policy from legal issues; identify when expert legal assistance is needed; and understand the components of a professional code of ethics.

EDU 586 - School Leadership Internship I, 3 credit hours

Notes: Required of all School Leadership candidates.

Prerequisite(s): EDU 580, EDU 581 or EDU 581, EDU 582, EDU 583, EDU 584.

These two courses will run consecutively over the Fall and Spring semesters of a given academic year. All candidates are required to successfully complete this internship to meet degree and licensure requirements. Each semester will consist of a weekly seminar and a total of 150 hours of administrative work in the assigned school district. Candidates will be paired with a licensed, practicing school administrator during each semester. All of the

principal standards will be addressed in the internship. The final assessment for the internship will consist of a triangulation of data from the practicing school administrator, the candidate, and the University supervisor.

EDU 587 - School Leadership Internship II, 3 credit hours

Notes: Required of all School Leadership candidates.

Prerequisite(s): EDU 580, EDU 581 or EDU 581, EDU 582, EDU 583, EDU 584.

These two courses will run consecutively over the Fall and Spring semesters of a given academic year. All candidates are required to successfully complete this internship to meet degree and licensure requirements. Each semester will consist of a weekly seminar and a total of 150 hours of administrative work in the assigned school district. Candidates will be paired with a licensed, practicing school administrator during each semester. All of the principal standards will be addressed in the internship. The final assessment for the internship will consist of a triangulation of data from the practicing school administrator, the candidate, and the University supervisor.

EDU 588 - Management of Resources, 3 credit hours

Notes: Required of all School Leadership candidates.

Prerequisite(s): EDU 580, EDU 581 or EDU 581, EDU 582, EDU 583, EDU 584, EDU 585, EDU 586.

Corequisite(s): Taken concurrently with EDU 587.

This course will address the financial and economic factors in the school setting. It will include the following: school funding in Ohio and respective states; the role of federal and state funds; a historical perspective of school funding; knowledge of school levies, bond issues, millage, property valuation, revenue and expenses; school district and building accounts; grant writing; public vs. private school funding; site-based budgeting; zero-based budgeting; and the roles of state and federal government specific to resources.

EDU 589 - Contemporary Issues for School Leaders, 3 credit hours

Notes: Required of all School Leadership candidates.

Prerequisite(s): All School Leadership courses.

This course is aligned with all of the School Principal Standards. Candidates who complete this course (the last course in the program) will have the knowledge and ability to promote the success of all students by: (1) facilitating the development, articulation, implementation, and stewardship of a school vision of learning supported by the school community. (2) promoting a positive school culture, providing an effective instructional program, applying the best practice to student learning, and designing comprehensive professional growth plans for staff. (3) managing the organization, operations, and resources in a way that promotes a safe, efficient, and effective learning environment. (4) collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources. (5) acting with integrity, fairly, and in an ethical manner. (6) understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context. This course is an advanced seminar that will address topics specific to current issues in education. School reform, NCLB, accountability, assessment, diversity, employment opportunities, in addition to candidate-solicited topics, will be addressed.

EDU 594 - Remediation Across the Curriculum, 3 credit hours

Notes: Required of all Mild/Moderate Educational Needs candidates.

Prerequisite(s): EDU 573, EDU 574, EDU 577

This course is designed to give an understanding of the K-12 curriculum to students who are seeking the Intervention Specialist license in Mild/Moderate Educational Needs. Integrated content methods and accommodations in reading/language arts, math, science/health, and social studies will be explored. Methods and materials used to teach these students with mild/moderate educational needs (ages 5-21) will be examined.

EDU 596 - Culturally Responsive Curriculum & Instruct., 3 credit hours

Notes: Required of all Teaching & Learning candidates

In this course, candidates will develop the ability to integrate multicultural perspectives in the material they teach and the instruction they employ. Candidates will develop methods of teaching 21st Century skills such as effective social and cross-cultural communication and effective team work in diverse environments. Field application of knowledge and skills required.

EDU 597 - Differentiation in Effective Learning Environ., 3 credit hours

Notes: Required of all Teaching & Learning candidates

Candidates will explore research-based instructional strategies that effectively meet the needs of diverse learners. Included are approaches for students with diverse learning abilities, from diverse socio-economic backgrounds, and with English as an emerging language. Candidates will be able to think creatively, reason effectively, make judgments and decisions to solve problems in order to plan and assess differentiated instructional strategies as an outcome of this course. Additionally, candidates will be able to communicate clearly as they collaborate and work creatively with others to produce integrated outcomes in this process. Field application of knowledge and skills required.

EDU 598 - Capstone Experience, 3 credit hours

Notes: Required of all Teaching & Learning candidates

Candidates will focus on integrating their experiences in the teaching and learning specialization while developing the leadership skills of effective teachers. These include collaboration with other teachers; developing partnerships with community, businesses and parents; and garnering necessary resources. Candidates will be guided in the development of their professional portfolio in this course.

EDU 600 - The Superintendency in the 21st Century, 3 credit hours

This course is aligned with the Ohio Superintendent Standards 1, 2, and 3. It is also aligned with the OLAC Areas 1, 2, 3, and 6. In this course, the candidate will complete the McBer Leadership Profile that will provide baseline data in specific school leadership motives and attributes. This initial candidate profile will establish a starting point for leadership development that will continue throughout the Superintendency Licensure Program, including the Superintendency Internship. The candidates will have the opportunity to develop their profile in a research-based manner to best prepare themselves for a successful Superintendency.

This course will focus on the content areas of vision, continuous improvement, district work, community and collaboration, and policies and governance. It will also include areas of data and decision making, goal setting, community engagement and process, and board of education development and the governance process.

EDU 601 - The Focus on Student Learning, 3 credit hours

Prerequisite(s): EDU 600

This course is aligned with the Ohio Superintendent Standard 4 - Instruction, and the OLAC Area 3 - Instruction and the Learning Process. The content areas of focus in this course include: district-wide curriculum; development and implementation of high-quality instruction; a comprehensive assessment system; a curricular program that provides for all students; processes for program monitoring and assessment; and quality professional development for staff.

EDU 602 - The School District Focus, 3 credit hours

Prerequisite(s): EDU 600 & EDU 601

This course is aligned with the Ohio Superintendent Standard 5 - Resources, and the OLAC Area - The Resource Management Process. The content areas of focus in this course include: human resources; fiscal responsibilities; operational matters; staff acquisition and support; timely scheduling; prioritizing; technology support and materials; facilities and operation.

EDU 603 - The Internship for the Superintendency, 4 credit hours

Prerequisite(s): EDU 600, EDU 601 & EDU 602

This course is aligned with the Ohio Superintendent Standards and the OLAC (Ohio Leadership Advisory Council) Areas. This internship will involve the graduate candidate in significant projects, experiences, and activities that align with school superintendent job responsibilities. The internship will take place over 12-14 months including the beginning and ending of the school year responsibilities, and all of the superintendent commitments throughout the academic year. A weekly seminar will also occur where graduate candidates will showcase their school district and share and reflect on their specific internship experiences. The seminars will also feature current school superintendents in a dialogue format that will expose the graduate candidate to the various superintendent leadership styles and the unique qualities of each represented school district.

EDU 604 - The Internship for the Superintendency, 4 credit hours**Prerequisite(s):** EDU 600, EDU 601, EDU 602 & EDU 603

This course is aligned with the Ohio Superintendent Standards and the OLAC (Ohio Leadership Advisory Council) Areas. This internship will involve the graduate candidate in significant projects, experiences, and activities that align with school superintendent job responsibilities. The internship will take place over 12-14 months including the beginning and ending of the school year responsibilities, and all of the superintendent commitments throughout the academic year. A weekly seminar will also occur where graduate candidates will showcase their school district and share and reflect on their specific internship experiences. The seminars will also feature current school superintendents in a dialogue format that will expose the graduate candidate to the various superintendent leadership styles and the unique qualities of each represented school district.

Engineering

EGR 101 - Introduction to Engineering, 1 credit hour

This course introduces the student to the engineering profession, basic engineering skills and knowledge, engineering approach to problem solving, and the engineering design process. The course exposes and enables the student to develop hands-on engineering design experience, teamwork and leadership skills, communication skills, experimentation skills, as well as engineering ethics. It also provides an introduction to computer tools used by engineers (spreadsheet, word processing, presentation software, and MATLAB).

EGR 102 - Introduction to Engineering Design & Analysis, 2 credit hours**Prerequisite(s):** EGR 101

This course introduces students to numerical skills such as estimation, graphing, interpolation, statistics, mathematical modeling & programming using MATLAB and excel. These techniques & tools are applied to applicable engineering problems and open-ended engineering design projects. Students are also introduced to and apply engineering economics and project management techniques in their design projects.

EGR 103 - Engineering Graphics, 1 credit hour

A brief introduction to computer-aided drafting for prospective engineers.

EGR 110 - History of Engineering & Technology, 1 credit hour

This course covers the history of engineering & technical development over the course of human history with the intent of providing students an overview of the development of public works, machinery & other technical inventions that have influenced and enabled societal progress.

EGR 200 - Statics & Dynamics, 4 credit hours**Prerequisite(s):** EGR 102, MTH 141, PHY 131**Prerequisite/Corequisite:** MTH 142 may be take concurrently

The study of force systems in two and three dimensions to explore the principles of equilibrium applied to various bodies and simple structures. Frictional forces, centroids, and moments of inertia are also discussed. Dynamics of particles, including kinematics and kinetics are presented. The course makes extensive use of vector method. These tools and techniques are applied to engineering problems and engineering applications.

EGR 201 - Mechanics of Materials, 4 credit hours**Prerequisite(s):** EGR 200, MTH 142, PHY 132 & PHY 152.

This course provides an introduction to the mechanical behavior of materials, principal stresses and strains, stress-strain relationships, deflections, bending, deformations of rigid bodies due to forces and moments. Determination of stresses and deformation for axial, flexural, torsional, thermal, and combined loadings. Safe working stresses, yield and failure points. Includes laboratory and design project.

EGR 202 - Creativity & Design Thinking, 2 credit hours**Prerequisite(s):** EGR 102**Prerequisite/Corequisite:** EGR 200 may be taken concurrently.

In Creativity & Design Thinking students unpack each step of the design thinking process and become familiar with the design thinker's toolkit. Students will develop skills as visual thinkers, strategists, and storytellers through a hybrid of lecture, seminar-type discussions, and collaborative projects. Students will learn a set of creative thinking tools and gain an introductory overview of the theoretical models of creativity. The creative thinking tools and experiential learning activities in the course offer the necessary background for EGR 306 Product Design & Entrepreneurship and upper level design projects.

EGR 203 - Thermodynamics & Fluid Mechanics I, 4 credit hours**Prerequisite(s):** EGR 200 and MTH 142**Corequisite(s):** CHM 112

The course covers the basics of energy conservation, transfer & conversion to work through the study of the 1st & 2nd Law of Thermodynamics, including an introduction to the principle of entropy, ideal gas, enthalpy, control mass, and control volume systems. Fluid Mechanics concepts covered include fluid statics & dynamics, hydrostatics, fluid measurements, conservation of mass, momentum & energy, Bernoulli equation and viscous flow in pipes. Frictional effects, are covered with an introduction to compressible flow & aerodynamics. The basic mechanisms of heat transfer, including conduction, convection & radiation, heat engines, refrigeration, and heat pumps are covered. The course includes a lab and a design project.

EGR 300 - Electronics, Circuits & Devices, 3 credit hours**Prerequisite(s):** PHY 131, PHY 151, PHY 132, PHY 152

The course addresses electronics, circuits, and electrical devices to provide the basics for controls & system design. Includes a design project.

EGR 301 - Engineering Materials & Manufacturing, 4 credit hours**Prerequisite(s):** EGR 201 and CHM 112

Introduction to the structure, properties, processing & manufacturing of materials used in engineering applications. Topics include: material structure (bonding, crystalline and non-crystalline structures, imperfections); equilibrium microstructures; diffusion, nucleation, growth, microstructure, properties, processing and manufacturing of: steel, ceramics, polymers and composites; creep and yield; fracture mechanics, modes of failure; and the selection of materials and appropriate performance indices. Includes a lab and design project.

EGR 303 - Sensors and Controls, 3 credit hours**Prerequisite(s):** EGR 201, EGR 300, PHY 132 & PHY 152.

Measurements of temperature, light, force, pressure, displacement, velocity, acceleration, flow, and strain. Sensor characteristics and calibration. Electric machines, controls, and actuators. Computer interfacing, microcontrollers, and programmable logic controllers. Includes a lab and a design project.

EGR 304 - Experiment Engineering, 3 credit hours**Prerequisite(s):** EGR 201 & EGR 203

Experimental investigation of engineering systems. Plan & design, perform, analyze and report experimental results of a single and complex engineering systems. Perform experiments individually and as a group. Oral and written reports. Includes a design project.

EGR 305 - Global Engineering Experience, 3 credit hours**Prerequisite(s):** EGR 203, EGR 300, EGR 301 & EGR 304

This course is designed to provide the student with an interdisciplinary, multidisciplinary, and exposure to international engineering projects, specifically projects in the developing world. The course will expose students to the grand challenges of society and the need for various stakeholders (engineers, scientists, policy-makers, etc) to collaborate and to develop, test, and implement innovative, appropriate, cost-effective, and sustainable solutions. Topics such as systems thinking, green engineering, sustainability life cycle analysis, life cycle cost analysis will be

covered. This course has an international component whereby students travel abroad at the end of the semester to implement their semester-long projects.

EGR 306 - Product Design & Entrepreneurship, 3 credit hours

Prerequisite(s): EGR 202, EGR 203, EGR 301 & BUS 340

This course presents multidisciplinary content from engineering & business with an emphasis on the process of product development and entrepreneurship. The steps in the product development process are presented to give shape to a design idea to make a commercially viable product. This course will teach teams of students how to develop product concepts and business plans in the design of new and innovative products. Emphasis will be placed on identifying user needs, concept generation, construct an Alpha prototype fabrication, and present the prototype with a business case in support of the product.

EGR 310 - Thermodynamics & Fluid Mechanics II, 3 credit hours

Prerequisite(s): EGR 203 & MTH 245

This is a follow-on course to the first course in thermodynamics and fluid mechanics for engineering students. The Second Law and principle of entropy and irreversibility is given a thorough treatment. Power plant and automotive-engine cycles are covered. Compressible flow (gas dynamics) is given comprehensive treatment to include aircraft-engine flow, rocket propulsion & shock waves. Includes a design project.

EGR 410 - Heat Transfer, 3 credit hours

Prerequisite(s): EGR 203

This is a comprehensive course on heat transfer that covers all modes: conduction, convection & radiation. Numerical methods for solving each mode are introduced. Software and computer simulations for each mode are also introduced. Thermal-system design project.

EGR 420 - Direct Energy Conversion, 3 credit hours

Prerequisite(s): EGR 203 & EGR 300

The course involves description and analysis of power-generation and storage technologies for ground & space systems. The analysis of the chemical, electrolysis and thermodynamic processes, and range of application of various direct-conversion and storage devices are addressed. Direct-energy technologies include: solar-photovoltaic cells, fuel cells, thermionics, dynamic, wind turbines, hydroelectric, radioisotopes and nuclear fission. Storage technologies include batteries, regenerative fuel-cells, hydro and flywheels. Applications to various systems such as buildings, automobiles and spacecraft will be addressed.

EGR 463 - Engineering Seminar, 1 credit hour

Prerequisite(s): Junior or higher standing

The course is designed to prepare the student for professional engineering employment. It provides opportunities for professional development of undergraduate students and raise awareness of the various issues they may face in their professional careers. Topics include resumes, hiring, interview techniques, negotiation techniques, engineering ethics, professional and societal responsibilities, lifelong learning, diversity, creative problem-solving, goals, quality, timeliness, interaction & cooperation, leadership, continuous improvement. Written reports and oral presentations.

EGR 464 - Engineering Capstone I, 2 credit hours

Prerequisite(s): Senior Standing

This course requires students to determine and define a real-world design or analysis problem and work with both faculty and external mentors. The course is offered in two semesters, with the first semester of 2 credit hours for purposes of identifying and defining a problem; the second semester of 3 credit hours for completing the project under faculty and external mentorship.

EGR 465 - Engineering Capstone II, 3 credit hours

Prerequisite(s): EGR 464

This course requires students to determine and define a real-world design or analysis problem and work with both faculty and external mentors. The course is offered in two semesters, with the first semester of 2 credit hours for

purposes of identifying and defining a problem; the second semester of 3 credit hours for completing the project under faculty and external mentorship.

English

ENG 050 - Independent Study, 1-4 credit hours

ENG 070 - Internship, Credit hours to be arranged

ENG 101 - American Conversation & Culture, 3 credit hours

Designed for nonnative speakers of English, the course aims both to improve their oral communication skills and to enhance their understanding of American culture, which are essential for success in other university-level classes. Students will increase their fluency in spoken English and be able to assess the similarities and dissimilarities between their own respective culture(s) and American culture.

ENG 111 - College Composition, 3 credit hours

A first course in college-level writing, emphasizing such fundamentals as clarity, coherence, organization, grammatical and mechanical correctness, logic, as well as good content. ENG 111 should be taken in the first year, preferably in the first semester.

ENG 125 - Introduction to Literature: Fiction, Poetry, and Drama, 3 credit hours

An introduction to the major genres of literature: poetry, fiction and drama. Emphasis on the interpretive skills necessary to understand and appreciate these genres.

ENG 129(I) - Special Topics, 2-3 credit hours

Special topics.

ENG 131 - Workshop in Exposition and Argument, 3 credit hours

Prerequisite(s): ENG 111 or placement.

Assignments in writing expository and argumentative prose with particular emphasis on content development. Core requirement; Students required to take ENG 111 should take it during their first semester at BW, and should take ENG 131 no later than their third semester at BW.

ENG 131H - Honors Workshop in Exposition and Argument, 3 credit hours

Prerequisite(s): This course is open to students formally accepted into the Honors Program. This course is a common experience for all students.

Assignments in writing expository and argumentative prose with particular emphasis on content development.

ENG 210 - Introduction to the Study of Language, 3 credit hours

An introduction to linguistics focusing on the nature of language; its role in human society; its acquisition in childhood and its development; and the sounds, forms, and structures of English from Anglo-Saxon times to the present, with emphasis on current American English and its regional, social, ethnic, and gender variations. No previous work in linguistics is necessary. Required of all English majors.

ENG 213 - Applied English Grammar, 2 credit hours

Prerequisite(s): ENG 131

A study of English grammar, usage, mechanics, syntax, and sentence structure. The course will emphasize the application of traditional grammar in formal and professional writing and include analysis of grammar in different contexts. Required for AYA Licensure.

ENG 215 - Career Pathways for English and Creative Writing Majors, 1 credit

Prerequisite(s): ENG 131 and one english literature course

In this workshop, students develop their knowledge of career paths for English and Creative Writing majors and minors. Students will create professional job applications and learn how to use Career Services resources and to apply their critical, creative and literary skills to their professional development.

ENG 220 - Literature for Adolescents, 3 credit hours

Prerequisite(s): ENG 131

This course provides an overview of literature for adolescents, focusing on texts that are both classic and contemporary. The course will emphasize literary analysis within cultural contexts. Required for AYA Integrated Language Arts licensure.

ENG 233 - Workshop in Creative Writing, 3 credit hours

Prerequisite(s): Students entering Poetry and Fiction topics must have completed ENG 131 and ENG 125. Students entering Playwriting topics must have ENG 131 and either ENG 125 or THE 100.

Assignments in writing poetry, fiction or playwriting. Repeatable as different topics.

ENG 241I - Survey of British Literature I, 3 credit hours

A study of selected major British works from the Anglo-Saxon times to 1798, read in their historical contexts.

ENG 242I - Survey of British Literature II, 3 credit hours

A study of selected major British works from 1798 to the twentieth century, read in their historical contexts.

ENG 251D - Survey of American Literature I, 3 credit hours

A study of selected works that represent American literature from colonial times through the Civil War, read in their historical contexts.

ENG 252D - Survey of American Literature II, 3 credit hours

A study of selected works that represent American literature from Civil War through the twentieth century, read in their historical contexts.

ENG 259 - Faculty-student Collaboration, Credit hours to be arranged

ENG 263I - Seminar, 2-4 credit hours

Varied topics oriented to the non-major.

ENG 280I - Survey of World Literature, 3 credit hours

A study of selected classics that represent the growth and development of world literature from Ancient to Early Modern Times, read in their historical contexts. Varied topics.

ENG 305 - Workshop in Advanced Expository and Argumentative Writing, 3 credit hours

Prerequisite(s): ENG 131 or exemption

An advanced course in expository and argumentative prose for students who have successfully completed ENG 131.

ENG 307 - Advanced Creative Writing, 3 credit hours

Prerequisite(s): ENG 233

Intensive workshop specializing in advanced fiction and poetry writing. Designed for students who have taken prerequisite workshops in either or both genres.

ENG 308 - Nature Writing, 3 credit hours

Prerequisite(s): ENG 131

Instruction and practice in specialized forms of writing.

ENG 309SX - Grant Writing, 3 credit hours

Prerequisite(s): ENG 131

Instruction and practice in specialized forms of writing.

ENG 316(I,D) - Studies in Literary History, 3 credit hours

Prerequisite(s): Six hours of ENG at the 100 or 200 level.

Courses offered under this number are designed to provide advanced study of specific periods in the history of British or American literature.

ENG 328(I,D,X) - Studies of Major Authors, 3 credit hours

Prerequisite(s): Six hours of ENG at the 100 or 200 level.

Courses offered under this number concentrate on the work of a single major writer or of a small group of closely-allied writers.

ENG 335I - Studies in World Literature, 3 credit hours

Prerequisite(s): Six hours of ENG at the 100 or 200 level.

A study of selected works in translation from the great literatures of the world.

ENG 336(I,D) - Studies in Specific Genres, Themes or Modes, 3 credit hours

Prerequisite(s): Six hours of ENG at the 100 or 200 level.

Courses offered under this number offer intensive study of the development of a single genre, such as the epic, novel or biography; or of a particular literary mode, such as satire or tragedy; or of a recurring theme as it can be traced in various eras and cultures.

ENG 350 - Advanced Creative Writing II, 3 credit hours

Prerequisite(s): ENG 307

Process-intensive workshop emphasizing commitment to creative writing through the practice of artistic discipline. Students will conceive and create chapbook or chapbook-length works.

ENG 359 - Faculty-student Collaboration, Credit hours to be arranged

ENG 450 - Seminar in Creative Writing, 3 credit hours

Prerequisite(s): ENG 233, ENG 307

A "Special Topics," capstone seminar and workshop, primarily for students majoring or minoring in Creative Writing.

ENG 459 - Faculty-student Collaboration, Credit hours to be arranged

ENG 463 - Seminar, 1-4 credit hours

Prerequisite(s): Written consent of the instructor.

Varied topics. May be counted toward "Advanced Studies in English" requirement.

ENG 491 - Departmental Thesis/project, Credit hours to be arranged

Environmental Science

ENV 101 - Principles of Environmental Science, 3 credit hours

This course focuses on the scientific principles that serve as the foundation for environmental science and emphasizes the interdisciplinary nature of the field, with specific examples given from the biological/ecological, chemical, and geological perspectives. Students will explore how the global environment functions and develop a deeper understanding of the complexity of environmental issues.

ENV 201 - Energy and Climate, 3 credit hours

Prerequisite(s): ENV 101

Two of the most critical environmental issues are sufficient energy resources for an expanding population and the impacts the combustion/utilization of these energy resources on Earth's climate. This course will provide a scientific foundation for examining energy and climate change, with special emphasis given on understanding the rate of climate change over the past century in relation to past climate change.

ENV 464 - Environmental Science Capstone, 3 credit hours

Prerequisite(s): Senior status or consent of instructor

This course is the capstone experience for the Environmental Science major designed to give students an opportunity to integrate the experiences and coursework within the major. Students will utilize the wide range of knowledge and skills acquired in other courses to complete an interdisciplinary environmental science research project led by the instructor while acquiring and refining crucial skills such as research design, analysis, presentation, and teamwork that will prepare them for a career in environmental sciences.

First-Year Experience

FYE 100 - First-Year Experience, 3 credit hours

The FYE seeks to serve the whole student. The academic seminar helps students become acclimated to the academic life of the university while the transition portion of the FYE introduces students to the resources and life of the campus community. The academic seminar is on a topic designed to engage first-semester students, regardless of major/minor, in the exchange of ideas. Topics vary by section. The FYE will help students develop intellectual curiosity, critical thinking skills, and the ability to communicate clearly in writing with an emphasis on the writing process. The transition portion of the course engages students in topics that will help them succeed at BW.

French

FRN 050I - Independent Study, 1-4 credit hours

FRN 101 - Elementary French I, 4 credit hours

Prerequisite(s): None. Appropriate course for beginners. Students with more than two years of high school French must have special permission of the instructor to register for FRN 101.

French 101 is a class for students with no experience in the language, or for students with a 1 to 2 year high school experience. Depending on the level of the students, and the program they followed in high school, FRN 102 can be a better entry point for the study of the language. Basic conversation, reading, listening and writing skills are taught at the 101 level. Students learn regular verbs ending in "er" and some irregular verbs: to be, to have, to do, to go, etc. Present and past tenses, basic negations, questions, adjective usage are also part of the 101 core. Main conversation topics include: introducing oneself, talking about food, family, telling time, and different actions in the present and past tenses.

FRN 102 - Elementary French II, 4 credit hours

Prerequisite(s): FRN 101 or equivalent

French 102 is a continuation of the first-year experience in the language. FRN 101 is required or at least 2 years high

school experience. Students who desire to enter the 102 level without taking 101 should acquire the textbook used in the 101 level and review the chapters covered in that class (contact instructor for more information). More of the basic conversation, reading, listening and writing skills are taught at the 102 level. Students learn more regular and irregular verbs. Future, subjunctive and more past tenses are introduced as well as grammar items such as question formation and pronoun usage. Main conversation topics include: talking about television, hobbies, and cultural aspects of the French speaking world.

FRN 201 - Intermediate French I, 4 credit hours

Notes: Required of all French majors

Prerequisite(s): FRN 102 or equivalent. FRN 201 is an appropriate entry point for most students with more than two years of solid high school French.

French 201 is foremost a review of some of the basic grammar items covered in a first-year French University class (101 and 102) with an emphasis on exceptions to rules and new vocabulary items to improve conversation skills. Most high school students who have studied the language for 3 years or more can enter this specific level of the (language during their freshmen year in University. Conversation, reading and writing skills are taught in order for students to improve their knowledge and usage of the language. New students should realize that 3 to 4 year high school experience prepare them well for the level of French used in the classroom. French 201 reviews and improves usage of regular verbs (like "parler" "finir" "repondre") and some of the irregular verbs (to be, to have, to go, etc.,). Adjectives, articles, basic question patterns, and numbers form also the core of the review and improvement taught in the class. A typical 201 level class helps students to go back into the language after their summer break.

FRN 202 - Intermediate French II, 4 credit hours

Notes: Required of all French majors

Prerequisite(s): FRN 201 or equivalent.

French 202 is a continuation of the second-year experience in the language. FRN 201 or at least 3-4 year high experience is required to enter the class. Students who get permission from the instructor to enter the 202 level without taking 201 will be asked to acquire the textbook used in the 201 level and review the chapters covered in that class (contact instructor for more information). Students need to understand that entering a 202 level requires a good understanding of spoken French as well as the ability to write and express oneself in the language. Students entering this specific level will join a group of their peers who have used and reviewed the language at the 201 level with exercises in conversation, reading, listening and writing skills. French 202 reviews and improves the use of subjunctive, conditional and future tenses. Complex sentences, questions and prepositions use are also part of the curriculum.

FRN 221I - French Conversation, 3 credit hours

Notes: Required of all French majors

Prerequisite(s): FRN 202 or equivalent.

Intensive practice in the spoken idiom, phonetics, developing fluency of expression and establishing basic conversational vocabulary.

FRN 240I - Contemporary France, 3 credit hours

Prerequisite(s): None. Given in English, with no prior study of French expected. May be taken for major credit if out-of-class research and reports are done in French.

A study of ongoing and developing events, in any field, which present themselves in France and Francophone countries. The course also includes readings in and discussions of the French national character and examples of intercultural miscommunication.

FRN 250 - Techniques of Translation, 3 credit hours

Prerequisite(s): FRN 202 or equivalent

A brief introduction to the theories of translation, followed by practical experience in translating various materials, such as news items, magazine articles, technical information and literature, with an effort to produce translations from English to French and from French to English of publishable quality.

FRN 260 - Commercial French, 3 credit hours

Prerequisite(s): FRN 202 or equivalent

An introduction to the French commercial enterprise, with particular emphasis on technical and commercial terminology. Practice in business correspondence.

FRN 262(I) - Seminar Taught in English, 1-4 credit hours

A close study of a selected topic in French. May be repeated if a different topic is offered.

FRN 263 - Seminar, 1-4 credit hours

Prerequisite(s): FRN 202 or permission of instructor

A close study of a selected topic in French. May be repeated if a different topic is offered. Depending on the topic this class may substitute for courses required of the French minor and major.

FRN 275I - Introduction to Literature, 4 credit hours

Prerequisite(s): FRN 202. Required of all French majors

An introduction to literary study, treating major authors and literary genres from various periods.

FRN 310I - Civilization I, 3 credit hours

Notes: Required of all French majors

Prerequisite(s): FRN 202.

A study of French culture, society, history and arts, from the origins of France Through the Third Republic.

FRN 311I - Civilization II, 3 credit hours

Notes: Required of all French majors

Prerequisite(s): FRN 202.

A continuation of the study of French civilization, with emphasis on contemporary France, its society, its institutions and the French mentality today.

FRN 335I - Advanced Grammar & Composition, 4 credit hours

Notes: Required of all French majors

Prerequisite(s): FRN 202.

Advanced work in grammar with an emphasis on French composition and stylistics.

FRN 350 - Special Methods Language Teaching, 3-4 credit hours

Required of all students seeking a license to teach. See EDU 350-357.

FRN 375I - Survey of French Literature I, 3 credit hours

Notes: Required of all French majors

Prerequisite(s): FRN 275I.

A study of French literature from the Middle Ages through the 18th Century.

FRN 376I - Survey of French Literature II, 3 credit hours

Notes: Required of all French majors

Prerequisite(s): FRN 275I

A study of French literature of the 19th and 20th Centuries.

FRN 463 - Seminar, 1-4 credit hours

Prerequisite(s): Advanced standing and permission of instructor

FRN 463 is intended to be a capstone seminar which builds on a significant understanding of French Studies. Topics may vary. Students may take the course twice if different topics are offered.

Geology

GEO 070 - Internship, 1-12 credit hours

GEO 104 - Geology of National Parks, 4 credit hours

An introduction to the geology of selected national parks and monuments of the United States, emphasizing basic geologic principles and processes illustrated by the geology of each area. Three lecture sessions and one lab per week.

GEO 111 - The Dynamic Earth, 4 credit hours

A study of the origin and nature of minerals and rocks as well as the dynamic processes acting on and in the earth (erosion, sedimentation, volcanism, plate tectonics) and their results as reflected in topography and earth structure. Three lecture sessions and one lab per week. One Saturday or Sunday field trip required.

GEO 121I - Physical Geography, 4 credit hours

An introduction to some of the physical features and processes of the earth and their significance in relation to many of the activities and problems of humans in the modern world. Three lecture sessions and one lab per week.

GEO 150 - Regional Geology & Geography, 2 credit hours

An introduction to physical and historical geology as well as physical geography of selected areas. Basic geologic principles and processes will be illustrated by the geology of the area of interest. Two lecture sessions per week.

GEO 163 - Geology Seminar, 1 credit hour

This course consists of study, discussion and demonstration of special topics. One class session per week.

GEO 200 - Science, 2-4 credit hours

An interdisciplinary approach to a topic of scientific interest. Course content is determined by the topic chosen.

GEO 205 - Geographic Information Systems, 3 credit hours

A course designed to provide a better understanding of spatial information, its purpose, and its display. It explores the use of maps and compasses, Global Positioning System (GPS), and Geographic Information System (GIS).

GEO 212 - Earth History, 4 credit hours

Prerequisite(s): GEO 104 or GEO 111 or BIO 122

An introduction to the geologic history of the earth including the evolutionary development of prehistoric organism which inhabited the earth as well as the evolution of the earth's geosphere, hydrosphere and atmosphere. Three lecture sessions and one lab per week. One field trip required.

GEO 223 - Geology of Northeast Ohio Rivers and Their Environment, 3 credit hours

This course utilizes the resource of our local rivers (Rocky River, Cuyahoga River etc.) and their valleys to teach principles of geology and geography. Students will meet in the Metro parks or Cuyahoga Valley National Park on most class days.

GEO 227 - Environmental Geology, 3 credit hours

Provides students with a basic understanding of Earth systems (biosphere, atmosphere, etc.), their interaction, and the relationship between humans and the Earth, including value, limits, and threats to Earth's resources. This course will address topics such as climate change, energy resources, soil and water use and resources, environmental degradation, and waste disposal.

GEO 229 - Oceanography, 3 credit hours

A study of the physical aspects of the oceans starting with the ocean floor continuing to the chemical make up of the water, the currents, and movement of the waves. The ocean environment and relationship between the ocean and the atmosphere will be included.

GEO 315 - Hydrology, 4 credit hours

Prerequisite(s): GEO 104 or GEO 111 or GEO 121I or BIO 122

This course covers all aspects of the hydrologic cycle, including precipitation, stream discharge, groundwater flow, and surface runoff. Human influence on the hydrologic cycle, contaminant transport, and hydrologic statistics will also be addressed, with special attention given to data collection and analysis in the field and laboratory settings.

GEO 316 - Soils and Geomorphology, 4 credit hours

Prerequisite(s): GEO 104 or GEO 111 or GEO 121I or BIO 122

This course examines the physical and environmental aspects of surface processes and soil development, including a detailed study of landform analysis and the physical structure of soils. Laboratory work will include basic landform mapping, soil profile description, field sampling techniques, and stream geomorphology, and will culminate with a group project on local soils and geomorphology.

German

GER 050I - Independent Study, 1-4 credit hours**GER 070 - Internship, 1-12 credit hours****GER 101 - Elementary German I, 4 credit hours**

Prerequisite(s): None. Appropriate course for beginners. Students with more than two years of high school German must have special permission of the instructor to register for GER 101.

German 101 begins with an introduction to basic vocabulary, from numbers and greetings through foods and furniture to travel topics. Class time is used to practice speaking and listening skills, where you can expect to respond to questions, do numerous pair exercises and participate in role playing. Students learn about the gender of nouns and pronouns, the nominative, accusative and dative cases and the use of prepositions. Regular and irregular verbs in both the present and present perfect tenses are taught as well as modal auxiliary verbs. Among others, the basic functions of asking and giving personal information, making a purchase, ordering in a restaurant, and giving directions are stressed in written homework as well as in oral work in class. The reading assignments and supplements to the book provide interesting cultural information about the German-speaking countries.

GER 102 - Elementary German II, 4 credit hours

Prerequisite(s): GER 101 or equivalent.

German 102 reviews the student's basic knowledge of the nominative, accusative and dative cases and introduces the genitive. Students will be taught how to tell stories in the simple past tense, use attributive adjectives, make comparisons, use the future tense, form sentences in passive voice, and to use the subjunctive to indicate conjecture. Discussion topics include sports and leisure, overnight lodging, entertainment, the German school system, fairy tales and German history. Written practice comes mainly in the form of homework, and time in class concentrates on practicing speaking and listening. The textbook is supplemented with educational language videos, recorded music and interactive small group exercises.

GER 201 - Intermediate German I, 4 credit hours

Prerequisite(s): GER 102 or equivalent. Appropriate entry point for most people who have had more than two years of solid high school German. Required of all German majors and minors.

This first level of the intermediate sequence reviews the basic skills which you acquired in your elementary language study and expands upon them. Although a thorough review of all grammar is given, special attention is paid to the following difficult areas of grammar: adjective endings, past tenses, relative pronouns. The exercises are designed to

increase your ability to read, write, speak and understand German. You will be given a selection of authentic reading assignments which are appropriate for your level, and which deal with topics of German-speaking culture and life in Europe. Role play, pair work and writing assignments ask for your personal, creative reaction to the readings. All class discussions, readings and written assignments are in German, but do not require an advanced level of language ability.

GER 202 - Intermediate German II, 4 credit hours

Prerequisite(s): GER 201 or equivalent. Required of all German majors and minors.

German 202 is a continuation of the intermediate level and builds upon the reading, speaking and writing skills practice in GER 201 and continues to strengthen accuracy with an investigation of grammar including relative pronouns, the subjunctive I and II and the passive voice. GER 202 is the prerequisite for advanced level German language classes. Classroom discussions and written assignments center on authentic literary and cultural texts of varying length. The course is taught in German. Class work provides listening and speaking practice while homework affords the chance to sharpen writing skills.

GER 221I - German Conversation, 2 credit hours

Prerequisite(s): GER 202 or consent of the instructor. Required of all German majors.

Intensive practice in speaking and vocabulary building. May be repeated for credit.

Semesters Offered: Offered alternate years.

GER 240I - Contemporary Germany, 3 credit hours

Prerequisite(s): None, taught in English

A discussion of the social, political and artistic trends in contemporary German speaking countries. Students may receive language credit if their reading and papers are done in German. This course may be offered in the eight week minimester format. In addition, this course is used as a preparatory course for study abroad programs, such as "Germany Rocks!".

GER 250I - Techniques of German Translation, 3 credit hours

Prerequisite(s): GER 202.

A brief introduction to theories of translation, followed by practical experience translating various texts. Most assignments will be translations from German to English.

Semesters Offered: Offered in alternate years.

GER 260I - Commercial German, 3 credit hours

Prerequisite(s): GER 202.

An introduction to commercial terminology in German plus cultural study of the institutions needed for business. Students also learn the rudiments of German business correspondence and telephone etiquette. Considerable time will be devoted to modern German culture as it determines the nature of business with Germans.

Semesters Offered: Offered in alternate years.

GER 263I - Seminar, 3 credit hours

Prerequisite(s): GER 202.

A foundational course, similar to GER 275I, in which students use and build upon their language skills to be able to understand and analyze literary texts. GER 263I is a close study of a selected topic in German. May be repeated if a different topic is offered. Depending on the topic, this class may substitute for courses required of the German minor or major. All work is done in German and this course may serve as a prerequisite for GER 375I and 376I.

GER 275I - Introduction to German Literature, 4 credit hours

Notes: Required of all German majors.

Prerequisite(s): GER 202 or equivalent.

This foundational course will further your practical linguistic and cultural understanding of German while giving you an introduction to German literature. While honing their language to understand and analyze literary texts from several of the major literary movements, Students will read a variety of genres and authors from works of various periods and

seek to understand and interpret them in their cultural and historical context. All reading, discussion and writing is done in German.

GER 310I - German Civilization, 3 credit hours

Prerequisite(s): GER 202.

A sweeping survey of the historical and cultural development of the German nation from the Germanic tribes to the ultimate formation of the Federal Republic of Germany. Strong emphasis is placed on European history and Germany's central role in Western Civilization. Readings are heavily supplemented by historical, documentary films. All work is done in German. Required of all German majors.

GER 335I - Advanced Composition and Conversation, 4 credit hours

Notes: Required of all German majors.

Prerequisite(s): GER 202

This popular course seeks to fine tune the student's command of German with an advanced review of German grammar. With an emphasis on oral and written communication, this course clears up a number of particularly challenging grammar points, gives a comprehensive explanation of modal particles and offers targeted vocabulary used to express opinions and regulate discussions. Expect numerous written assignments and daily oral exercises in class.

GER 350 - Special Methods Language Teaching, 3-4 credit hours

Notes: Required of all students seeking a license to teach German.

See EDU 350-357.

Semesters Offered: Not offered every year.

GER 375I - Survey of German Literature I, 3 credit hours

Prerequisite(s): At least one of GER 263I, GER 275I or GER 310I or permission of instructor.

This study of German literature will include works from the earliest periods to the beginning of the nineteenth century. GER 376I and 375I may be taken in any order.

GER 376I - Survey of German Literature II, 3 credit hours

Prerequisite(s): At least one of GER 263I, GER 275I or GER 310I or permission of instructor.

A survey of German literature from Romanticism to the 20th century. GER 376I and GER 375I may be taken in any order.

GER 463I - Special Topics Seminar, 3 credit hours

Prerequisite(s): Advanced standing and permission of instructor.

GER 463I is intended to be a capstone seminar which builds on a significant understanding of German Studies. Topics may vary. Students may take the course twice if different topics are offered. GER 463I is typically taken by juniors and seniors and is cross-listed with other courses.

Health, Physical Education & Sport Sciences

HPE 050 - Independent Study, Credit hours to be arranged

HPE 070X - Internship, Credit hours to be arranged

HPE 110W - Personal Wellness, 1 credit hour

Course designed as a computer course that includes a comprehensive health risk assessment, nutrition, dietary assessment, substance use and abuse and other aspects of personal wellness as developed especially for the course.

HPE 120W - Ballet I Practicum, 1 credit hour

Corequisite(s): This course also has a required lab component that meets in addition to regular class times.

This beginning level course is designed for students with little or no dance training. The class introduces students to the fundamentals of ballet technique by building a basic knowledge of vocabulary and skills. Students will learn, comprehend and execute movement while gaining an understanding of its relationship to music.

HPE 121W - Jazz I Practicum, 1 credit hour

Corequisite(s): This course also has a required studio component in addition to regular class times.

This is a beginning level course designed to introduce students to the fundamentals and of jazz dance technique. In addition to physical skills, students will learn awareness of the body.

HPE 122W - Modern I Practicum, 1 credit hour

Corequisite(s): This course also has a required studio component in addition to regular class times.

This is a beginning level course designed to introduce students to the fundamentals of modern dance technique and discover how that technique allows the body to articulate and express through movement. In addition to physical skills, students will gain a basic knowledge of the history and development of modern dance.

HPE 123W - Tap I Practicum, 1 credit hour

Corequisite(s): This course also has a required studio component in addition to regular class times.

This is a beginning level course designed to introduce students to the fundamentals and of tap dancing. Rudimentary elements of tap will be taught.

HPE 131W - Physical Activities/Dance Technique, .5-1 credit hour

These courses deal with the development of skills and knowledge of sport, dance, fitness, and other movement activities. Courses are designed for one-half or one credit hour depending on the nature and skill level of the activity. Some courses may be offered on a minimester schedule while others are offered for a full semester. No course may be repeated for credit except at a more advanced level. Specific courses are listed in the course schedule for each term.

HPE 133W - Physical Activities/Dance Technique, .5-1 credit hour

These courses deal with the development of skills and knowledge of sport, dance, fitness, and other movement activities. Courses are designed for one-half or one credit hour depending on the nature and skill level of the activity. Some courses may be offered on a minimester schedule while others are offered for a full semester. No course may be repeated for credit except at a more advanced level. Specific courses are listed in the course schedule for each term.

HPE 141W - Physical Activities/Dance Technique, .5-1 credit hour

These courses deal with the development of skills and knowledge of sport, dance, fitness, and other movement activities. Courses are designed for one-half or one credit hour depending on the nature and skill level of the activity. Some courses may be offered on a minimester schedule while others are offered for a full semester. No course may be repeated for credit except at a more advanced level. Specific courses are listed in the course schedule for each term.

HPE 150W - Lifetime Leisure Activities, 2 credit hours

This course provides practice and methods for participating in lifetime leisure activities. Physical Education students enrolled in this course will be exposed to various activities providing knowledge and application of skills enabling students to participate in activities for a lifetime. Includes activities such as walking, jogging, golf, tennis, outdoor activities, racquetball, bicycling, dance, and disc golf.

HPE 151W - Team Games, 2 credit hours

This course provides practice and methods for participating in, officiating, and observing various team games. Physical Education students will be exposed to the skills, tactics, officiating procedures, and overall participation

requirements for various team games. Invasion games such as basketball, flag football, soccer, ultimate, Net games such as volleyball, badminton, pickle ball and Striking games such as softball and team hand ball are played.

HPE 152W - Fitness and Physical Activity, 2 credit hours

This course provides practice and methods for participating in physical activity and fitness activities. Physical Education students will be exposed to various activities providing the necessary components for leading to a healthy and active lifestyle. Instruction and assessment of fitness based activities appropriate for lifelong health and fitness will be provided. Includes activities such as aerobic fitness, strength/resistance training, health-related concepts and the use of technology.

HPE 180 - Introduction to Exercise Science, 3 credit hours

Prerequisite(s): Declared Exercise Science, Pre-Physical Therapy, or Athletic Training majors. Second semester freshman or sophomore status.

This course will introduce majors to the field and profession of exercise science including certifications and career opportunities. Basic concepts related to exercise techniques, proper use of facilities and equipment, training, and program design will also be presented in this course. The lab activity component requires students to be participants in a variety of aerobic and anaerobic activities regularly.

HPE 182 - Introductory Practicum in Athletic Training, 1 credit hour

Prerequisite(s): Declared AT major and HPE 202 or concurrent enrollment in HPE 202.

This course is designed to be an introduction to the principal and fundamental skills of athletic training. This introductory practicum course will provide students with exposure to the daily activities within the athletic training setting. Students will learn and apply fundamental athletic training skills while developing problem solving and critical thinking, as it relates to role of athletic trainers as healthcare providers. The course is designed to be in alignment with the second semester observation phase of the Athletic Training Program selection process. Students are required to fulfill a minimum of 35 clinical hours as a component of the course.

HPE 201 - Orientation to HPE, 1 credit hour

Notes: Designed for students with declared HPE major. To be completed by end of sophomore year. This course does not count toward the Wellness core requirement.

A survey course designed to introduce the nature of study, interrelationships, and career options related to academic disciplines and programs associated with athletic training, exercise science, health and physical education, health coaching and health promotion, pre-physical therapy and sport management. Recommended to be taken in the freshman or sophomore year.

HPE 202 - Principles of Athletic Training, 2 credit hours

This is the introductory course in athletic training that exposes students to the profession. The duties of the athletic trainer are discussed in relationship to the current job settings of the profession. Care and prevention of athletic injuries are presented along with basic practical experience in injury assessment and treatment. Students are also introduced to the administrative skills required for a successful athletic training program.

HPE 205 - First Aid & Safety Education, 2 credit hours

Notes: Additional administrative/certification fee required.

Prerequisite(s): Must be declared Athletic Training, Health & Physical Education, Exercise Science Major or Recreation Minor.

Recognizing various types of illnesses, emergency and stress situations and the ability to care for an injured person until professional help arrives are among the topics explored in this course. Emphasis is also given to rendering psychological first aid, developing splinting, bandaging and transportation proficiency. Also includes building an awareness of accident problems and ways to prevent potential accidents in the home, school, industrial or recreational environment. HPE 205 is not applicable to the HPE Core requirement.

HPE 206 - Medical Terminology, 2 credit hours

This course is an introduction to the field of medical terminology, the language of the medical profession and its allied health professions. Emphasis is on understanding basic medical terms and how they are used in communicating, documenting and reporting patient care procedures. Practical applications are provided by exercises and medical record analyses.

HPE 207W - Nutrition for Daily Living, 3 credit hours

An introduction to the study of basic nutrition including macro and micronutrients. Course focuses on nutrition for healthy individuals throughout the stages of the life cycle with emphasis on personal diet planning.

HPE 208 - Emergency Care Techniques for Athletic Trainers, 1 credit hour

Prerequisite/Corequisite: HPE 205 or concurrent enrollment in HPE 205 with consent of instructor. Course is open only to majors in athletic training or prior consent of the Athletic Training Program Director.

Course is designed to include content and procedures related to advanced emergency care techniques needed by athletic trainers. Emphasis is given to on field management of acute injuries.

HPE 209 - Research Design & Statistics in Sport Sciences, 3 credit hours

Prerequisite(s): HPE 201 and Math readiness

This course is designed to acquaint students with the study and principles of qualitative and quantitative research methods; the application of research principles to health and human performance; the understanding of proper research design especially as it might relate to human subjects; and procedures to ensure ethical treatment of subjects. Furthermore, students will have working knowledge of basic statistics to determine appropriate testing parameters and interpretation of analysis using SPSS software upon completion of this course. This course fulfills the core quantitative extension requirement.

HPE 210W - Sustainable Food & Nutrition Choices, 2 credit hours

This course explores the links between nutrition and food and agricultural factors and the impact of these on the environment and human health. Students will be introduced to the concept of local and global food systems (production, processing, and distribution of food in order to obtain nutrients). Topics to be covered include: consequences of chemical contamination of food and food safety; issues of quality and quantity of drinking water; causes, effects, and solutions to malnutrition; issues and implications of global obesity; effects of food biotechnology on health; and options for sustainable dietary practices.

HPE 211W - Nutrition for the Athlete, 3 credit hours

This course studies the scientific basis for sports nutrition and how it can be used to optimize performance. Emphasis will be on nutritional concepts related to the daily training, diet, and precompetition meal, energy utilization in exercise and recovery, body composition, use of nutrient supplements and ergogenic aids as well as the special needs of athletes.

HPE 216W - Family Relations, 3 credit hours

A study of the developmental stages of family life from marriage through child bearing to the elderly years. Functions of families in America are studied, along with roles and interrelationships of family members, with emphasis on crises faced by families.

HPE 218W - Consumer Issues, 2 credit hours

Course involves the study of consumer issues affecting individuals and families. With special attention to consumer issues in health and wellness, the course focuses on consumer alternatives in the market place, consumer legislation, and the rights and responsibilities of the consumer.

HPE 221W - Personal Health, 3 credit hours

The study of the health problems and concerns of young adults in America today. Although normally selected by members of the class, topics of study usually include stress management and emotional health, chemical dependency, sexual responsibility, nutrition, fitness, heart disease, cancer and the communicable diseases including

the STDs and AIDS. With the focus on prevention, students are encouraged to make lifestyle choices conducive to lifelong wellness.

HPE 222W - Community Health, 3 credit hours

A study of health problems affecting entire populations, particularly environmental pollution and toxic wastes, communicable disease control, and the health risks of community living. The course surveys how community action works to reduce such risks, while investigating the crisis in health care, particularly mental health care and the role of public health agencies in the business of health promotion and disease prevention.

HPE 223 - The History of Sport, 2 credit hours

This course offers a study of history of American and International Professional, Recreational and Collegiate Sport. Primary areas of study include the historical significance of past events and how they have shaped the present development of professional, collegiate and recreational sports.

HPE 226 - Introduction to Recreation and Leisure Studies, 2 credit hours

An introduction to the field of recreation and leisure studies including historical, philosophical and theoretical aspects of leisure, recreation and play, as well as an overview of the recreation profession and associated careers. A foundation course dealing with professional preparation for students who have an interest in the field of recreation/leisure studies; it includes recreation programming in various settings, commercial and tourism, therapeutic recreation, and parks.

HPE 227 - Principles of Coaching, 2 credit hours

An introductory level course for those students preparing to enter a coaching career or be involved in the management and organization of an athletic program. Through the course the student will develop guidelines and principles helpful in organizing a successful athletic program. The course will emphasize an awareness of the demands of the coaching profession and explore issues and ethical considerations significant to coaching. Course will also include a review of requirements for the completion of a minor in athletic coaching.

HPE 230 - Physical Education Methods for Early Childhood and Elementary School, 3 credit hours

A study of the characteristics of children ages three through eight and prekindergarten through grade three with implications for the selection, adaptation and teaching of appropriate movement and rhythmic activities. The focus of the course is the understanding of such concepts as growth and development of a child, fundamental movement, movement exploration, perceptual motor skills, developmental movement, rhythmic development, and the integration of movement and rhythmic into other areas of the early childhood school curriculum. Attention is paid to the use of appropriate learning, teaching, and communication strategies that meet the needs of diverse learners. This is done through proper development of progressive lesson, behavior management, and assessment plans, and live teaching in area schools. The use of technology in Physical Education is introduced through compasses, pedometers, video, camera, and printer use, and modern video technology.

HPE 232 - Physical Education Methods for Middle and High School, 3 credit hours

Designed to provide Physical Education students experience in the theory and practice of teaching middle and high school physical education. Students will analyze and apply developmentally appropriate content for physical education in grades 6-8 and 9-12. Students will design and implement lesson plans and assessments appropriate for middle and high school physical education. Further attention is paid to the use of appropriate learning, teaching, and communication strategies that meet the needs of diverse, young adult learners. This is done through continued development of progressive lesson, behavior management, and assessment plans, live teaching in area schools, as well as continued reflection by the candidate. The use of technology in Physical Education is introduced through body composition calipers, pedometers, video, camera, and printer use, orienteering equipment, outdoor physical education equipment and modern video technology.

HPE 233 - Sport in Society, 3 credit hours

Notes: Cross-listed with SOC 250(I).

This course is designed to encourage students to critically analyze how sport relates to general features of social

relations and to provide insight into the institutional arrangements and cultural values of US society. The course is framed by a critical evaluative perspective, which provides opportunities for students to examine how social class, ethnicity, race and gender relations contour sport practices. The underlying assumption of the course is that sport practices can both reproduce and transform dominant ideologies and stereotypes existing in US society.

HPE 243 - Introduction to Sport Management, 3 credit hours

This course is designed to be the foundation or introductory course for sport management majors. The historical development of sport management as a profession and as an academic discipline is traced. The diverse variety of opportunities in sport management is presented. Selected functional areas of contemporary sport management are surveyed relative to supervisory responsibilities of the sport management professional.

HPE 245 - Health Behavior Management, 3 credit hours

Prerequisite(s): HPE 201 and HPE Majors or permission of instructor.

Introduction to key health behavior change theories and psychosocial determinants of health behaviors. Laboratory emphasis on communication, leadership, and group-process activities related to health behavior change theories and practices. This course fulfills the core writing extension requirement.

HPE 246W - Stress Management, 2 credit hours

Stress affects people in a multitude of ways and we all experience stress, at varying levels, in our lives. This class will help us understand our stress and its effects on us, as well as provide management techniques, premised on a holistic model, to better aid us in addressing our stress-related concerns.

HPE 259 - Faculty-student Collaboration, Credit hours to be arranged

HPE 263 - Special Topic Seminar, Credit hours to be arranged

HPE 270 - Principles of Health Promotion, 3 credit hours

This course will introduce the student to comprehensive, evidence-based, and cost-effective health promotion strategies, policies, and programs. Through the consideration of the influences on health such as high risk behaviors and socio-economic factors, students will learn to develop, implement, and evaluate health promotion and education programs for specific populations.

HPE 281 - Practicum in Athletic Training I, 1 credit hour

Prerequisite(s): Acceptance into the AT Program

This course is designed to assist the second year Athletic Training student in understanding the connection between classroom instruction and clinical education while developing foundational behaviors of professional practice. Specific focus will be on athletic training standard operating procedures as well acute care of injury and illness with a focus on evidence-based practice.

Clinical hours, evaluations, and completion of specific competencies as mandated by the program's accreditation are required components to the course.

HPE 282 - Practicum in Athletic Training II, 1 credit hour

Prerequisite(s): Acceptance into the AT Program

This course is designed to assist the second year Athletic Training student in understanding the connection between classroom instruction and clinical education while developing foundational behaviors of professional practice. Specific focus will be on the introductory psychomotor proficiencies as well as clinical examination and diagnosis with a focus on evidence-based practice.

Clinical hours, evaluations, and completion of specific competencies as mandated by the program's accreditation are required components to the course.

HPE 301W - Sport Exercise Conditioning and Program Design, 3 credit hours

The course will study the importance of physical fitness in sport. It will cover the basic principles of strength and cardiovascular conditioning related to creating aerobic and strength training programs to physically train individuals for peak performance. Lab sessions will be included.

HPE 302 - Physiology Of Exercise, 3 credit hours

Prerequisite(s): BIO 203 and BIO 204

A study of the human body's responses to the stress of physical exercise. Topics covered include metabolic, neuromuscular, cardiovascular and pulmonary adjustments to acute and chronic exercise.

HPE 303 - Health and Physical Fitness Assessment Techniques, 3 credit hours

Prerequisite/Corequisite: HPE 302

Measurement of human metabolic responses to exercise in laboratory and field settings. Topics include ergometry, energy expenditure, body composition, blood pressure recording, lung function during exercise, PWC tests and graded exercise testing. Other health and fitness assessments may include muscular endurance, balance, posture and mobility to create safe and appropriate exercise programs.

HPE 304 - Health and Fitness Assessment Practicum, 1 credit hour

Prerequisite(s): Requires completion of HPE 180 and HPE 303 and declared HPES major or approval of Academic Program Coordinator.

This practicum course provides the opportunity for Exercise Science students to apply the knowledge and skills acquired through their programs of study in an intentional and focused manner as prescribed by accreditation standards. In addition, students will enhance skills related to health and fitness assessments, exercise programming and effective communication with clients. A planned, supervised and evaluated practical experience that is relevant to the student's program is an essential component of an exercise science professional degree program.

HPE 305 - Lower Extremity Evaluation, 3 credit hours

Prerequisite(s): HPE 202 and BIO 203

This course is a study of the anatomical structures of the lower extremities as it relates to normal surface anatomy and injury pathology including bony landmarks, ligamentous tissue and musculotendinous structures. Students will also gain an understanding of the procedures governing the care and treatment of athletic injuries as they relate to the lower extremities. Additional topics will include learning general orthopedic assessment skills, injury nomenclature, diagnostic techniques, and the evaluation of posture and gait. Laboratory experience is designed to demonstrate the application of various evaluation techniques and tools utilized in diagnosing lower extremity dysfunction. This course will also include practical evaluation of required competencies and proficiencies in the field of athletic training.

HPE 306 - Therapeutic Modalities with Lab, 4 credit hours

Prerequisite(s): BIO 203, HPE 202

This lecture/lab course is a study of the various therapeutic modalities used in the treatment and care of injuries throughout the healing process. The principles and theories, the physiological responses, and various application methods of therapeutic modalities will be studied.

HPE 307 - Upper Extremity Evaluation, 3 credit hours

Prerequisite(s): HPE 202, HPE 305 and BIO 203

This course is a study of the anatomical structures of the upper extremities as it relates to normal surface anatomy and injury pathology including bony landmarks, ligamentous tissue and musculotendinous structures. Students will also gain an understanding of the procedures governing the care and treatment of athletic injuries as they relate to the upper extremities, head, spine, thorax and abdominal regions. Laboratory experience is designed to demonstrate the application of various evaluation techniques and tools utilized in diagnosing upper extremity dysfunction. This course will also include practical evaluation of required competencies and proficiencies in the field of athletic training.

HPE 308 - Athletic Training Administration, 3 credit hours

Prerequisite(s): HPE 202 and junior/senior standing or consent of the instructor

A course designed to study the management and administration of athletic training programs in clinical, high school, University, professional and industrial settings. Facility requirements and development will be discussed along with personnel requirements and hiring. Time will be spent on the maintenance and utilization of medical records, liability and insurance requirements. Laws and practices related to pharmacology and the application of pharmacological concepts will also be examined. Standards and emergency operating procedures will be covered as will public relations and the use of computers and information technology in an athletic training environment.

HPE 309 - Therapeutic Exercise, 3 credit hours

Prerequisite(s): HPE 202, HPE 305, HPE 307 and BIO 203

This course is a study of the principles and application of therapeutic exercise. The course content will focus on the components of a physical restoration program, including determinants of therapeutic goals, selection of modalities and exercise, methods of recording progress and development of criteria for progression.

HPE 310 - General Medical Conditions in Athletes, 3 credit hours

Prerequisite(s): BIO 203 & BIO 204

This course is designed to teach students in the recognition, evaluation, care and proper referral of general medical conditions and illnesses that affect the physically active. The course provides students with hands-on opportunities in the evaluation of the various bodily systems, pharmacology and the use of the otoscope, ophthalmoscope, and other diagnostic instruments commonly used by athletic trainers.

HPE 312W - Substance Abuse/Chemical Dependency, 2 credit hours

Drug use remains a major problem in our communities and in our schools. This course will study the problem. Students will be exposed to many of the difficulties created by alcohol and drug abuse, the complexities of dependency and recovery, and will learn prevention strategies.

HPE 315 - Foundations of Health Education, 3 credit hours

A study of the purpose, scope and nature of health education through consideration of the philosophical and behavioral perspectives of the field. A search for and development of principles guiding the operation of health education in the schools, the community, and in public health agencies. The collaboration of school members, communities, and families will be considered during an evaluation of a Coordinated School Health Program (CSHP) as part of the plan for comprehensive school health education.

HPE 317 - Nutrition Through the Life Cycle, 3 credit hours

Prerequisite(s): Junior standing and completion of HPE 207W or approval of the Chair. Completion of BIO 203/204 recommended.

This 3 credit hour course addresses specific physiological changes, nutritional requirements, problems, interventions, common deficiencies and diet-related diseases of all age groups within the life cycle.

HPE 318 - Teaching Methods in Health Education, 3 credit hours

A study of the various teaching strategies effective in health promotion, featuring a survey of facilitation methodology and skills, and a look at the teaching behaviors conducive to learner achievement in health education.

HPE 319W - Child in the Family, 3 credit hours

Prerequisite(s): HPE 216W or junior/senior standing

A study of the factors involved in the physical, cognitive, social and emotional development of children through a community and whole child approach to child development. Particular focus will be placed on external environmental factors influencing the development of children. Additional emphasis on child advocacy and policy development will also be a key component with practical applications to solve problems or to deal with day-to-day issues facing families in our current society.

Semesters Offered: This course will be offered in alternate years.

HPE 320W - Parenting, 3 credit hours

Prerequisite(s): HPE 216W or junior/senior standing

A study of the issues pertaining to parenting in America, including cultural, social, and familial influences on the child and family. Includes observation and practical experiences with young children in a childcare facility.

Semesters Offered: This course will be offered in alternate years.

HPE 321 - Adapted Physical Activity, 2 credit hours

A study of physical activity programming for individuals with physical, intellectual, and developmental disabilities. The course focuses on how to modify and adapt skills and activities for individuals with varying abilities to promote lifelong physical activity.

HPE 323 - Outdoor Recreation & Education, 2 credit hours

The course is designed to introduce the fundamental principles, practices, and applications of outdoor recreation and education. International, national, state, and local outdoor recreation/education programs will be examined, including associated career opportunities. The course includes development of instructional materials and resources and will include active participation in selected outdoor recreation and education experiences.

HPE 324 - Community Recreation, 2 credit hours

The course is designed to include a study of recreation needs and opportunities and a survey of public, private, and commercial recreation programming. Content will emphasize the value of recreational and leisure time pursuits. Career opportunities in the recreation professions will be explored.

HPE 325 - Aquatics Program/Pool Management, 3 credit hours

Study of organization and administration to prepare the aquatic professional for management and programming of indoor and outdoor facilities. The course will entail practical knowledge and detailed information on directing, promoting, and evaluating programs, administering a budget and developing staff, overseeing lifeguarding and safety systems, filtration systems, and managing risks.

HPE 326 - Tourism in Recreation and Leisure, 3 credit hours

Prerequisite(s): HPE 226 or permission of instructor

The course aims to develop a clear understanding of the relationship between the theory and practice of working in tourism in recreation and leisure. The course is designed to encourage students to develop an understanding of tourist industry operations and problems, and competence in identifying procedures and solutions, by using best practice from industry, established business techniques and information systems.

HPE 327 - Coaching, 2 credit hours

Strategy, techniques and coaching methods in competitive baseball, basketball, football, track and field, and volleyball are studied. Separate courses are offered in the various sports; some coaching courses may be offered less frequently than once a year.

HPE 328 - Skill Concept Development, 2 credit hours

This course is designed to provide coaches and students an explanation of the skill concepts surrounding performance techniques. This course will provide the opportunity to observe, analyze, develop and correct the skills of sport techniques for quality athletic performance.

HPE 330W - Human Sexuality Education, 3 credit hours

Prerequisite(s): Sophomore or higher standing or consent of instructor

A study of human sexuality in relation to oneself and others, this course explores sexual behavior and its impact on sexual health. The principle of sexual responsibility is a central theme guiding the development of decision-making skills leading to risk reduction and the prevention of unwanted intimacy, unwanted pregnancy, and disease. In addition to learning the content of sex education, students will practice and evaluate teaching strategies designed for effective Family Life Education.

HPE 340 - Program Organization & Administration, 3 credit hours

Prerequisite(s): HPE major or minor AND junior/senior standing or consent of instructor

A course designed to study the organization and administration of school, intramural and recreational physical education programs. Time will be spent studying the nature of administration and leadership styles, the basic principles of staffing, budgeting, purchase and care of equipment, legal concerns, office management, public relations, facility planning and management, and program evaluation. Emphasis will also be placed on the structure of tournaments utilized in both the school and recreational settings.

HPE 343 - Legal Issues in Sport Management, 3 credit hours

Prerequisite(s): HPE 201, HPE 243 or consent of instructor

Course is designed to focus on legal concerns and responsibilities that must be assumed by a manager of a sport organization or in a sport setting.

HPE 344 - Sport Management & Media Relations, 3 credit hours

Prerequisite(s): HPE 201, HPE 243 or consent of instructor

The content of the course focuses primarily on print and broadcast media, and sports journalism, and includes study of the public relations responsibilities of coaches, athletic directors, and the sports information director.

HPE 345 - Fitness & Health Promotion Program Management & Leadership, 3 credit hours

Prerequisite(s): HPE 201 and junior/senior standing or consent of instructor

This course is designed to equip students with a series of management, promotion, and other administrative tools necessary to successfully operate health and/or fitness related programs. Encourages and enhances a student's knowledge of proper group exercise instruction including assessment of certifications and a working knowledge of exercise leadership skills. Educates students on current standards to organize fitness facilities and exercise programs that are safe and effective in a variety of settings, including public and private sport/athletic facilities, recreation complexes, corporate fitness centers, and hospital wellness programs. While emphasizing worksite wellness and programming in the second half of the course, the basic principles are applicable to all types of facilities we will discuss and include needs assessments, program planning, implementation and evaluation.

HPE 346 - Sport Marketing, 3 credit hours

Prerequisite(s): HPE 201, HPE 243, and BUS 330 (BUS 330 may be taken concurrently)

Principles of marketing sport at the amateur, collegiate, and professional levels are examined, with special emphasis placed on consumer behavior, promotional licensing, sponsorship, fundraising, and the understanding of sport as a product.

HPE 347 - Historical, Philosophical, and Curricular Foundations of Physical Education, 3 credit hours

Prerequisite(s): Physical Education Major and Sophomore or higher standing

A course designed to study the philosophy, history, and goals involved in the physical education profession and how this knowledge forms the basis for the study of curriculum development in physical education programs designed for learners from ages three through twenty-one and attending prekindergarten through grade twelve in school-based programs. This course fulfills the core writing extension requirement.

HPE 348 - Ethics in Sport Management, 3 credit hours

Prerequisite(s): HPE 223, HPE 233 & HPE 243

This course is designed to link principles of moral reasoning, social responsibility, and personal values to choices made by participants, spectators and sport administrators. Specific areas for consideration include violence in sport, racial equality, gender equality, honesty and fair play, and ethical considerations in sport technology.

HPE 349 - The Industry of Sport, 3 credit hours

Prerequisite(s): HPE 201, HPE 243, ECN 100 or ECN 201 and ACC 211 or consent of instructor

Issues of financial management in sport and sport-related industries are examined. The economic models of professional sport, Olympic sport, and collegiate athletics are presented, including issues related to financing,

sources of revenue, athlete compensation, and the economic impact of each model of sport. This course fulfills the core quantitative extension requirement.

HPE 350 - Professional Sport Industry, 2 credit hours

Prerequisite(s): HPE 243

This course is designed to examine aspects related to the professional sport industry. Primary areas of study include the organizational structure of teams (major and minor league), the responsibilities of each department, the role of league offices or governing bodies, and the impact of athlete agents. The course examines both team and individual sports. The course will benefit students who are pursuing a career in professional sports at the team level, league level, or as an agent.

HPE 351 - Collegiate Athletics, 2 credit hours

Prerequisite(s): HPE 243

This course is designed to examine aspects related to collegiate athletics. Primary areas of study include the organizational structure of collegiate athletic departments, the responsibilities of each department, and the role of the NCAA or governing bodies. The course examines NCAA Division I, II, III and NAIA collegiate athletics. The course will benefit students who are pursuing a career in collegiate athletics at the administrative level or coaching level.

HPE 352 - Motor Learning & Developmental Movement, 3 credit hours

Prerequisite(s): HPE 201

This course includes a study of the psychological factors affecting the development of motor skills, learning theories and their application to motor skills, the nervous system, including perceptual mechanism, and the factors relating to the development of motor skills throughout the life cycle. Applications of conceptual principles to practical motor skill learning will be stressed.

HPE 353 - Sport Sales and Sponsorship, 3 credit hours

Prerequisite(s): HPE 201, HPE 243 and junior or senior standing

This course is designed to offer students the opportunity to gain real-world experience in the sales process of major professional sports organizations. This course will put into practice the fundamentals and background in ticket sales and sponsorship sales, the sales process, and the importance of customer service and retention learned in previous coursework. The course presents the opportunity for students to sell products that are unique to the sport industry. The course will benefit students who are pursuing a career in sports or would like to work for a team, where the primary source of revenue is ticket sales and sponsorships.

HPE 359 - Faculty-student Collaboration, Credit hours to be arranged

HPE 381 - Practicum in Athletic Training III, 1 credit hour

Prerequisite(s): Acceptance into the AT Program, HPE 281, HPE 282

This course is designed to assist the third year Athletic Training student in understanding the connection between classroom instruction and clinical education while developing foundational behaviors of professional practice. Specific focus will be on psychomotor proficiencies related to clinical examination and diagnosis with a focus on evidence-based practice. Clinical hours, evaluations, and completion of specific competencies as mandated by the program's accreditation are required components to the course.

HPE 382 - Practicum in Athletic Training IV, 1 credit hour

Prerequisite(s): Acceptance into the AT Program, HPE 281, HPE 282

This course is designed to assist the third year Athletic Training student in understanding the connection between classroom instruction and clinical education while developing foundational behaviors of professional practice. Specific focus will be on psychomotor proficiencies related to clinical examination and diagnosis as well as therapeutic interventions with a focus on evidence-based practice. Clinical hours, evaluations, and completion of specific competencies as mandated by the program's accreditation are required components to the course.

HPE 406 - Psychology of Coaching, 2 credit hours**Prerequisite(s):** HPE 227

Study of the nature and responsibilities of the coaching profession, focusing on the psychological aspect of teaching sports and motivating individuals and teams. A variety of information will be presented and discussed concerning the importance of the mental dimension of sport.

HPE 423D - Exercise Prescription for Special Populations, 3 credit hours**Prerequisite(s):** HPE 302 and HPE 303; senior standing or consent of instructor

The course will focus on exercise prescriptions and development of exercise programs. Attention will be placed on understanding the pathophysiology, medical interventions and exercise protocols for persons with cardiovascular disease (including MetS, PAD, CHF and dyslipidemia), diabetes, pregnancy, hypertension and other conditions pertinent to the literature (i.e. cancer, youth, depression). The student will demonstrate competence and skills necessary to deliver safe and valid exercise prescriptions.

HPE 445 - Theory and Practice of Strength and Conditioning, 3 credit hours**Prerequisite(s):** HPE 302 and junior/senior standing

Course is designed to provide in-depth content on the theory and practice of designing resistance exercise programs and the scientific basis for such programs; also covers practical aspects such as exercise technique, safety issues, administration of strength and conditioning programs, and considerations for special populations.

HPE 450 - Facility/Event Management, 3 credit hours**Prerequisite(s):** HPE 201, HPE 243, and junior/senior standing or consent of instructor

This course is an examination of the management of sport and/or leisure events, including such components as planning, financial management, risk management, facility management, personnel management, and the administration, implementation and evaluation of the event.

HPE 451 - Kinesiology/Biomechanics, 3 credit hours**Prerequisite(s):** HPE 302

A study of the structural and biomechanical aspects and principles of movement particularly as they relate to sport, dance, and exercise.

HPE 452 - Sport Management Capstone, 3 credit hours**Prerequisite(s):** Senior standing

This course is designed to be the final or among final courses taken in the required curriculum in sport management. Course activities and assignments will focus on synthesizing and integrating the knowledge and skills that the student has accumulated throughout the sport management curriculum.

HPE 459 - Faculty-student Collaboration, Credit hours to be arranged**HPE 463 - Advanced Special Topic Seminar, Credit hours to be arranged****HPE 470X - Internship, Credit hours to be arranged****HPE 481X - Practicum in Athletic Training V, 1 credit hour****Prerequisite(s):** Acceptance into the AT Program, HPE 281, HPE 282

This course is designed to assist the fourth year Athletic Training student in understanding the connection between classroom instruction and clinical education while developing foundational behaviors of professional practice. Specific focus will be on psychomotor proficiencies related to therapeutic interventions and psychosocial strategies as well as healthcare administration with a focus on evidence-based practice. Clinical hours, evaluations, and completion of specific competencies as mandated by the program's accreditation are required components to the course.

HPE 482 - Practicum in Athletic Training VI, 1 credit hour

Prerequisite(s): Acceptance into the AT Program, HPE 281, HPE 282

This course is designed to assist the fourth year Athletic Training student in understanding the connection between classroom instruction and clinical education while developing foundational behaviors of professional practice. Specific focus will be on psychomotor proficiencies related to prevention and health promotion as well as healthcare administration with a focus on evidence-based practice. Clinical hours, evaluations, and completion of specific competencies as mandated by the program's accreditation are required components to the course.

HPE 491 - Departmental Thesis/project, Credit hours to be arranged**HPE 492 - Departmental Thesis/project, Credit hours to be arranged**

History

HIS 050(I) - Independent Study, 1-4 credit hours

See Independent Study Program.

HIS 070 - Internship, Credit hours to be arranged**HIS 101I - World Civilizations I: Ancient to Medieval, 3 credit hours**

HIS 101I explores the origins, developments, and interactions of the world's peoples, cultures, and states from prehistory to 1500.

HIS 102I - World Civilizations II: Imperialism and World War, 3 credit hours

Europe rises to global power amidst exploitation of American and African labor as the reach of Islamic Empires and East Asia recedes. Imperial conflicts lead to world wars, then to the Cold War, then to the war on terror.

HIS 110 - Ohio History, 3 credit hours

This course will explore the political, social, and economic history of the state of Ohio, from its roots as the Northwest Territory through its rise to economic and political prominence in the late 19th century, to its current status as a midwestern "rust belt" state. The course will include analysis of the structure and dynamics of state political institutions and current issues of concern to Ohio.

HIS 151 - History of the United States I, 3 credit hours

A comprehensive analysis of the origins and growth of American civilization. The first course covers the development of the United States from the discovery period to the end of the Civil War. The second course covers from 1865 to the present.

HIS 152 - History of the United States II, 3 credit hours

A comprehensive analysis of the origins and growth of American civilization. The first course covers the development of the United States from the discovery period to the end of the Civil War. The second course covers from 1865 to the present.

HIS 170D - Diversity in America, 3 credit hours

This course covers the issue of diversity in America from the colonial era to the present. Topics may include: racial diversity, national origins, women's issues, differing creeds, and sexual orientation.

HIS 205I - History and the Environment: Global Perspectives, 3 credit hours

This course examines how major events in world history have impacted the natural environment. Sample themes such as the agricultural revolution, the Columbian Exchange, industrialization, and global epidemics will tie together geography, history, and the environment.

HIS 221I - Europe: From Black Death to French Revolution, 3 credit hours**Prerequisite(s):** ENG 131

This course explores European history through the impact of the Black Death on medieval Europe, the changes brought about by the Renaissance, the discovery of the so-called "New World" and its consequences, the Protestant Reformation, the development of modern capitalism, the rise of the modern nation-state and absolute monarchies, and the era of Revolutions. Certain themes will become apparent throughout the course, such as the influence of religion in politics and conflict, nationalist rivalries, the growth of empire and modern commerce, and the development of Enlightenment thought.

HIS 222I - Europe: From Revolution to World War and Globalization, 3 credit hours**Prerequisite(s):** ENG 131

This course surveys the rise of modernity in Europe. Students explore the Napoleonic conquests, the Industrial Revolution, the economic and cultural aspects of imperialism and their impact on non-European civilizations, the causes and results of the two world wars, and the cultural developments of the post-war twentieth century.

HIS 227I - History of Africa, 3 credit hours**Prerequisite(s):** One 100-level history course and ENG 131

This course provides a basic survey of African history. Attention will be given to the development of African kingdoms and their fall during the African colonial period. Particular emphasis is placed on the period of independence and the political, social, economic and cultural aspects of the modern states of Africa.

HIS 235I - Women in Western Civilization, 3 credit hours**Prerequisite(s):** One 100-level history course

A study of the role and impact of women on the development of Western society. Special emphasis is placed on the biographies of significant and influential women.

HIS 236I - Women in Asian Civilizations, 3 credit hours**Prerequisite(s):** One 100-level history course or INT 200I or ASN 100I

An introduction to the history of women's roles in East Asia, India, and the Middle East. Special attention will be paid to religious and social factors and developments in the history of ideas that influence the position of women in these societies. No prior knowledge of Asian history is required.

HIS 245I - Survey of Russian History, 3 credit hours**Prerequisite(s):** One 100-level history course

This course is a one-semester survey of Russian history from the 800s to the present, treating the origins and expansion of the Russian state, interactions between state and society, Russia's relations with the outside world, and the shifting fortunes of Russia's minority peoples under Russian, Soviet, and post-Soviet rule.

HIS 250D - African-American History, 3 credit hours**Prerequisite(s):** One 100-level history course

This course will provide a survey of the historical, political, economic, social and cultural contributions of African-Americans in the U.S. from roots in Africa and colonial times to the present, and is organized around the premise: African-American history cannot be understood except in the broader context of American history; American history cannot be understood without African-American history. Throughout the course, when discussing significant national issues and events, the focus will be on the contributions of African-Americans and their roles in the development and history of the United States. The course will balance accounts of the actions of African-American leaders with examinations of the lives of ordinary men and women.

HIS 259 - Faculty-student Collaboration, Credit hours to be arranged**HIS 260(I,D) - Topics in History, 3-4 credit hours****Prerequisite(s):** One 100-level history course

A basic introduction to specific areas or fields of history.

HIS 2671 - Vietnam War: Causes and Consequences, 3 credit hours

Prerequisite(s): One 100-level history course

An in-depth, intensive study of the causes, impact and legacy of a seemingly endless struggle in Vietnam. Emphasizing the history and culture of Vietnam and utilizing lectures, readings, discussion and video material, the course will attempt to highlight the clash of cultures and sort out the blur of images which is the continuing legacy of Vietnam today.

HIS 2881 - Islamic History 600-1800, 3 credit hours

Prerequisite(s): One 100-level history course or INT 200I

Explores the history of the early Islamic community, the Crusades, the "Golden Age" of Islam, and the Gunpowder Empires. Focuses on economic, intellectual, and cultural developments, and the geographical areas of the Middle East, North Africa, and India.

HIS 2911 - History of East Asia I, 3 credit hours

Prerequisite(s): One 100-level history course or INT 200I or ASN 100I

A survey of the history of East Asia (primarily China, Japan, Korea, and Mongolia) from ancient times to the rise of the Mongols, emphasizing the origins of statehood, interactions between state and society, relations among East Asian societies and between East Asia and the outside world, and the development of East Asian political, social, economic, and cultural institutions.

HIS 2921 - History of East Asia II, 3 credit hours

Prerequisite(s): One 100-level history course or INT 200I or ASN 100I

A survey of the history of East Asia (primarily China, Japan, Korea, and Mongolia) from the rise of the Mongols to the present, emphasizing interactions between state and society, the evolution of East Asian political, social, economic, and cultural institutions, relations among East Asian societies and between East Asia and the outside world, and the impact of imperialism and modernization.

HIS 321 - Classical Antiquity to the Fall of Rome, 3 credit hours

Prerequisite(s): One 100-level HIS course

Ancient Egypt and Mesopotamia, the Hebrews and the Greeks, the heritage of Rome: this course explores the glories and travesties of the great civilizations of classical antiquity and their legacies in the modern world.

HIS 3221 - Medieval Europe to the Black Death, 3 credit hours

Prerequisite(s): One 100-level HIS course

From the rise of Christendom, this course explores the consolidation of European states, the age of chivalry and serfdom, of Celts and Vikings and Crusades and the rise of middle class commerce, up to the devastation of the Black Death.

HIS 3231 - Enlightenment, French Revolution, and Napoleon, 3 credit hours

Prerequisite(s): One 100-level history course

HIS 3231 is an advanced study of the Enlightenment, the French Revolution, and the Napoleonic Era. This course follows the philosophical developments of the Enlightenment, many of which formed the rhetorical basis for the events of the French Revolution, which deposed monarchy in favor of a republic. The course will conclude with an examination of the Napoleonic Era.

HIS 3391 - History of War, 3 credit hours

Prerequisite(s): One 100-level history course

A survey of Western warfare from antiquity to the present.

HIS 342I - World War I, 3 credit hours

Prerequisite(s): One 100-level history course

The First World War (1914-1918) was the seminal event of the twentieth century. This course will cover the origins, progress, and consequences of the war. Special emphasis will be placed on the following topics: why the world went to war in 1914; why the people of the "civilized" nations killed each other on an unprecedented scale; how strategy, tactics, and weaponry evolved during the war; what was the social impact of the conflict; and how the war shaped the rest of the century.

HIS 344I - Early Russia, 3 credit hours

Prerequisite(s): One 100-level history course or INT 200I

An in-depth study of the history of Ancient and Mediaeval Russia from the pre-Slavic past to the early eighteenth century, stressing the evolution of Russia's political, economic, social, and cultural institutions, popular challenges to political, cultural, and religious authority, and Russia's expansion into a multiethnic state.

HIS 345I - Imperial Russia, 3 credit hours

Prerequisite(s): One 100-level history course or INT 200I

An in-depth study of the history of Russia from the eighteenth century to the last decades of Tsarist rule, with an emphasis upon relations between state and society, the formation of the Russian revolutionary tradition, Russia's cultural and ethnic minorities under imperialism, and attempts to reform Russia's political and social system.

HIS 346I - Modern Russia, 3 credit hours

Prerequisite(s): One 100-level history course or INT 200I

An in-depth study of the history of late Tsarist, Communist, and post-Communist Russia, emphasizing the collapse of the autocracy and the triumph of the revolution, the Russian experience in the First and Second World Wars, the changing experiences of the non-Russian minorities, the collapse of Communism, and the emergence of the post-Communist order.

HIS 349I - Modern Britain, 3 credit hours

Prerequisite(s): One 100-level history course

An in-depth examination of British history since 1714, providing a more advanced and specialized study of topics such as the Hanoverian century, the rise of constitutionalism, the Victorian Age and the rise and fall of the British empire. Britain in the two world wars, the construction of the welfare state, Thatcherism, New Labour and the impact of the European Union are also explored.

HIS 350 - Colonial America, 3 credit hours

Prerequisite(s): One 100-level history course

A study of the exploration, conquest, and settlement of the New World. Topics include the growth of Anglo-American society, the development of Anglo-Indian relations, the origins of slavery, and the causes and consequences of changes in British imperial policy.

HIS 351 - The American Revolution, 3 credit hours

Prerequisite(s): One 100-level history course

A study of the causes, development, and consequences of the Revolutionary War. The course also covers the post-war developments that led to the creation and ratification of the Constitution.

HIS 352 - Jefferson-Jackson, 3 credit hours

Prerequisite(s): One 100-level history course

A study of the United States from the Constitutional Convention of 1787 to the mid-nineteenth century. Topics will include the first and second political party systems, the War of 1812, westward expansion, slavery, reform movements, the transportation and communications revolutions, and the Mexican War.

HIS 353 - U.S. Civil War, 3 credit hours

Prerequisite(s): One 100-level history course

A study of the causes and course of the Civil War, as well as an examination of the postwar Reconstruction era.

HIS 354 - U.S. Reform and War, 1876-1920, 3 credit hours

Prerequisite(s): One 100-level history course

This course will provide an intensive examination of the period from the centennial year of 1876 to the presidential election of 1920. Emphasis will be placed on the interplay of political, social, and economic forces in the development of the United States into an industrial and world power. Topics will include the rise of industrial and urban America, the impact of immigration, the growth of organized labor, the emergence of the New South, cultural conflict and the technological transformation of society, Gilded Age politics and the crises of the 1890s, Progressivism and the rise of the regulatory state, the Spanish-American War and U.S. involvement in world affairs, the United States in World War I, and the post-war Red Scare.

HIS 355 - Modern America: 1920-1945, 3 credit hours

Prerequisite(s): One 100-level history course

A study of the growth of the United States as an urban -industrial nation and consequent problems of economic power and political adjustment. The course highlights the growth of the United States as a world power. Topics discussed include the end of World War I, the Roaring Twenties, the agony of the Depression Thirties and World War II at home and abroad.

HIS 356 - Recent America: 1945-present, 3 credit hours

Prerequisite(s): One 100-level history course

A study of domestic and foreign issues in America from 1945 to the present. In-depth analysis of major political, social and economic changes and adaptations. Emphasis is placed on change and continuity in domestic and foreign policies in the cold-war Forties, the "flat" Fifties, the "sick" Sixties, the "selfish" Seventies and the early Eighties.

HIS 359 - Faculty-student Collaboration, Credit hours to be arranged**HIS 360(I) - An In-depth Study of Topics in History, 3-4 credit hours**

Prerequisite(s): One 100-level history course

The topics will be supplementary to the material offered in 300-level courses, but taught in a more specific manner. This course can be taken more than once if the subject matter has changed.

HIS 370I - Colonial Latin America, 3 credit hours

Prerequisite(s): One 100-level HIS course

Colonial Latin America was the meeting ground of three major civilizations: Native American, European, and African. This course will explore the history of this incredible region, from Pre-Colombian times to the outbreak of the liberal revolutions of the early 1800s that ultimately wrested the continent from Spanish and Portuguese control. Special emphasis will be placed on the formation of socioeconomic and racial categories in the Americas over the four centuries of Iberian rule.

HIS 371I - Modern Latin America, 3 credit hours

Prerequisite(s): One 100-level history course.

A crucible of three major cultures -- Native American, European, and African -- the region of Latin America is a fascinating study in contrasts. Some of the oldest democratic constitutions in the world were drafted in Latin America, yet the region still wrestles with the negative legacies of colonialism, imperialism, and feudal exploitation. This course will explore the history of this diverse region, from the liberal revolutions of the early 1800s that ended four centuries of Iberian colonial rule, to the problematic and protean present.

HIS 3811 - The Arab-Israeli Conflicts, 4 credit hours

Prerequisite(s): One 100-level history course or INT 200I

An exploration of the Arab-Israeli conflicts from the beginning of Jewish settlement in Ottoman Palestine in the 1880s to the present time.

HIS 389I - The Modern Middle East, 4 credit hours

Prerequisite(s): One 100-level history course or INT 200I

An introduction to the history of the Middle East in the 19th and 20th centuries. The dominant theme of the course is Middle Eastern peoples' engagement with western ideas and their rediscovery of their own traditions as means to grapple with western political and economic domination. Topics include 19th century reformism (political, military, economic, and religious), economic dependency, Imperialism, Zionism, the Arab-Israeli conflict, Arab socialism and the rise to power of Saddam Hussein, the Iranian revolution, the rise of Islamic fundamentalist and militant groups.

HIS 459 - Faculty-student Collaboration, Credit hours to be arranged**HIS 461 - Historiography, 3 credit hours**

Prerequisite(s): ENG 131 and a minimum of 17 credit hours in history courses or consent of the instructor

This course is designed to provide students with a knowledge of the history of writing history, including interpretations of major historical topics. The course also trains students in historical research methods and the writing of a research paper. Required of all history majors.

HIS 463(I) - Seminar in History, 2-4 credit hours

Must have consent of the instructor.

HIS 491 - Senior Thesis, Credit hours to be arranged

Prerequisite(s): Consent of Department. Interested students should contact Department Chairperson.

HIS 492 - Departmental Thesis/project, Credit hours to be arranged

Prerequisite(s): Consent of Department. Interested students should contact Department Chairperson.

Honors

HON 050(I) - Independent Study, Credit hours to be arranged

See Independent Study Program.

HON 070 - Internship, 1-4 credit hours**HON 170X - Honors Guided Internship, 1-3 credit hours**

In this guided internship course, students will serve as interns in the workplace and meet weekly to discuss readings and reflection relevant to their experiences at work. Placements could be in not-for-profit, for-profit, or educational organizations. Weekly reflection meetings with the faculty supervisor, a weekly journal, and a final experiential reflection essay are designed to solidify the student's learning from this experience.

HON 200 - Interdisciplinary Honors Theme, 3-4 credit hours

HON 200 is a course with an intentional perspective from two core schools (Humanities, Natural Sciences, and Social Sciences). The themes range from the narrow to the broad. This interdisciplinary approach is intended to help the student understand how different disciplines address current problems, how thinking has evolved, and how to integrate modes of thinking across disciplines.

HON 250 - Special Topics, 1-4 credit hours

Special Topics courses (Example: Problem Solving, Constructing Scientific Knowledge, Freedom vs. Equality, Ethical Clashes)

HON 259 - Faculty Student Collaboration, 3 credit hours

Through the FSC courses Baldwin Wallace University encourages and supports faculty-student collaborators as they tackle the inquiry-based, unscripted problems typical of research, scholarship and other creative endeavors. These courses facilitate the engagement of students and faculty in the deep learning required for the creation, practice, and sharing of knowledge or works in their area of professional study. Enrollment in the course is competitive and requires that collaborating students and faculty submit a project proposal.

HON 350 - Seminar in Honors, 1-4 credit hours

Advanced Special Topics courses. Junior or Senior status required.

HON 359 - Faculty Student Collaboration, 3 credit hours

Through the FSC courses Baldwin Wallace University encourages and supports faculty-student collaborators as they tackle the inquiry-based, unscripted problems typical of research, scholarship and other creative endeavors. These courses facilitate the engagement of students and faculty in the deep learning required for the creation, practice, and sharing of knowledge or works in their area of professional study. Enrollment in the course is competitive and requires that collaborating students and faculty submit a project proposal.

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HON 491 - Honors Thesis, 1-4 credit hours

This Honors Program course will be offered on an independent study basis and is suggested for students in their junior or senior year. The topic must be approved by the Director of the Honors Program.

Humanities

HUM 150I - Humans & The Earth: Can We Coexist?, 3 credit hours

This team taught course examines global environmental issues, such as climate, energy, development, biodiversity, and population from interdisciplinary perspectives. These perspectives will vary depending upon the academic disciplines of the three faculty members who instruct the course. Students in the old core will satisfy three core credits, either in the sciences (BIO 150I), the social sciences (ECN 150I/POL 150I), or the humanities (HUM 150I) and an International course requirement. Offered as SUS 150I, BIO 150I, HUM 150I, ECN 150I, and POL 150I in the new core, the the course satisfies the Interdisciplinary requirement and is counted towards the International requirement. Humans and the Earth is also a required course for the Sustainability Program major and minor. It may be counted towards the requirements of the Sustainability Program Certificate.

HUM 200 - Global Citizenship: Succeeding in an Intercultural World, 3 credit hours

Prerequisite(s): ENG 131

What does it mean to live in this intercultural world? How can we make sense of ourselves, our relationship to others, and our relationship to nature in the midst of cultural difference, violence, global poverty, the destruction of the ecosystem, and the pervasive hope that we can make our world a better place for all people? In this course, students and faculty engage with current events and the ideas of influential thinkers from various liberal arts disciplines; together, we explore ways of responding to some complex issues facing us all today.

HUM 200H - Global Citizenship: Succeeding in an Intercultural World, 3 credit hours

Prerequisite(s): ENG 131

What does it mean to live in this intercultural world? How can we make sense of ourselves, our relationship to others, and our relationship to nature in the midst of cultural difference, violence, global poverty, the destruction of the

ecosystem, and the pervasive hope that we can make our world a better place for all people? In this course, students and faculty engage with current events and the ideas of influential thinkers from various liberal arts disciplines; together, we explore ways of responding to some complex issues facing us all today.

HUM 250IE - The Art of Travel, 4 credit hours

Notes: Open only to participants in the Seminar in Europe Program.

Study of, and development of skills in, travel journaling, narratives, drawing, photography, and digital publishing. Required of all SIE participants.

HUM 270X - Career Connections for Humanities Majors, 1-3 credit hours

Prerequisite(s): Sophomore Standing, 3.0 GPA, & Application to Professor- resume, cover letter, recommendation.

A guided internship in business and not-for-profit organizations with weekly meetings with the faculty supervisor to reflect, read relevant materials, and begin to chart out a career path.

HUM 285I - Intercultural Communication, 3 credit hours

This course, taught in English by faculty of the Department of Foreign Languages and Literatures, will complement the basic familiarity with intercultural communication. The goal is to analyze difficulties in communicating across cultural boundaries, misunderstandings arising from cultural differences and techniques for living and working successfully in an intercultural setting with a stress on international differences. The course utilizes film analyses, critical incidents, and other experiential learning techniques. Special focus will be on intercultural theories including monochronic vs. polychronic time orientation, an expansion of the basic value orientations, the interconnection of language and culture in both verbal and non-verbal communication and on studies of intercultural matters in specific contexts. It is required of foreign languages majors, but is appropriate for any student interested in cultural studies, those wishing to engage in international travel, study abroad or in working and living in an increasingly global society.

HUM 287IE - The Seminar in Europe, 3 credit hours

Notes: Open only to participants in the Seminar in Europe Program.

Introduces current political, economic, social, cultural, and diplomatic trends for destination countries in the Seminar in Europe Program, as well as practical information concerning safety, travel, customs, and vocabulary. Required of all SIE participants. See Seminar in Europe.

Graded: S/U

International Studies

INT 050I - Independent Study, Credit hours to be arranged

INT 070I - Internship, Credit hours to be arranged

INT 200I - Introduction to International Studies, 3 credit hours

Notes: Open to seniors with instructor permission. This course is not open to entering freshmen. Students will have the option to use second language skills to research selected assignments.

This course studies how individuals acquire their cultural, national and state identifications and how these varied identifications complicate coping with a variety of global challenges arising from increasing interdependence and, through case studies and simulations, challenges students to adopt different perspectives and experience the possible cooperation or conflict which results. It provides an introduction to a global community in transition in the post-Cold War world and to the interdisciplinary approach which characterizes the study of international affairs.

INT 250I - Security, Technology and Threat Assessment, 3 credit hours

Notes: Open to seniors with instructor permission. This course is not open to entering freshmen. Students will have the option to use second language skills to research selected assignments.

This introduction to security analysis will provide an overview of security threats ranging from the traditional definition

focused on war to an enlarged conception of human security and existentialist threat assessment encompassing a broader range of issues including the environment and health. Attention will be directed at the challenges of managing complex interdependent systems of governance and associated risks of information analysis under conditions of advancing technology. Emphasis will be placed on understanding the overlap in types of security threats, the importance of applying different perspectives and related information and management issues which arise in developing appropriate responses.

INT 259 - Faculty-student Collaboration, Credit hours to be arranged

INT 263I - Special Topics, 1-3 credit hours

An examination of selected topics in the field of international studies. May be repeated if topics are different.

Semesters Offered: Not offered every year.

INT 359 - Faculty-student Collaboration, Credit hours to be arranged

INT 363I - Seminar in International Studies or National Security, 3 credit hours

An upper-level seminar dealing with topics not covered elsewhere in the curriculum.

Semesters Offered: Not offered every year.

INT 390 - Preparing for Post-BW, 1 credit hour

Prerequisite(s): Junior or Senior Standing International Studies Majors Only.

This one credit workshop will help students analyze their academic and co-curricular experiences in ways that help them develop post-graduation plans for graduate school, law school, or employment. Students are encouraged to take this during the fall of their junior year.

INT 459 - Faculty-student Collaboration, Credit hours to be arranged

INT 463I - Special Topics Capstone Seminar, 3 credit hours

Notes: Recommended Preq: INT 200I, POL 211I or POL 221I.

An integrative interdisciplinary capstone seminar which draws on at least two of the disciplines which comprise the International Studies and National Security majors to analyze a contemporary topic of global significance. Consult the International Studies section of the course schedule for topics and scheduling information. INT-463I "America in the World" is recommended for those in International Studies. "Security in the 21st Century" is recommended for those in National Security.

INT 491 - Senior Thesis, Credit hours to be arranged

The Senior Thesis gives juniors and seniors the opportunity to do intensive research on a particular topic of global significance. Students develop their study under the direct supervision of a faculty member as approved by the head of the department or program in which the study will be done. The departmental thesis/project is intended to afford students an opportunity to engage in a study of a significant field of knowledge, to carry on original investigation when possible, and to further develop their abilities of self-expression.

INT 492 - Departmental Thesis Project, Credit hours to be arranged

The Departmental Thesis/Project gives juniors and seniors the opportunity to do intensive work on a particular topic of global significance. Students develop their study under the direct supervision of a faculty member as approved by the head of the department or program in which the study will be done. The departmental thesis/project is intended to afford students an opportunity to engage in a study of a significant field of knowledge, to carry on original investigation when possible, and to further develop their abilities of self-expression.

Italian

ITL 101 - Elementary Italian I, 4 credit hours

Prerequisite(s): None. Appropriate course for beginners. Students with more than two years of high school Italian must have special permission of the instructor to register for ITL 101.

An introduction to basic Italian vocabulary, pronunciation and grammar. Students complete the first half of the elementary Italian textbook.

ITL 102 - Elementary Italian II, 4 credit hours

Prerequisite(s): ITL 101 or equivalent.

ITL 102 assumes some active knowledge of basic Italian and builds on the skills taught in ITL 101, completing the elementary textbook.

Latin American Studies

LAM 200 - Understanding Latin America, 3 credit hours

The course immerses students into Latin American studies by introducing them to the history, society, politics and culture of the region through a cross-disciplinary and multinational approach.

Master of Arts in Management

MAM 591 - Master of Arts in Management Boot Camp, 1 credit hour

An intensive academic period during which students complete a personal self assessment, acquire business-related personal skills, obtain general information on business administration, and complete a research project. An assessment component is also part of this course. The course meets on three distinct occasions; for three consecutive weeks in the summer and one week at the end of the fall and spring semesters.

Graded: *Graded S/U.*

MAM 592 - The Accountant's Perspective, 2 credit hours

An overview of the accounting principles in business. The concepts of financial accounting, managerial accounting, financial statements, and their roles in informing top management will be covered. Pedagogical examples will be drawn from eight different types of businesses.

MAM 593 - The Finance Manager's Perspective, 2 credit hours

An overview of the finance principles in business. Concepts of time-value of money, capital budgeting, financial markets, and international trade and their roles in helping top management reach decisions will be covered. Pedagogical examples will be drawn from eight different types of businesses.

MAM 594 - The Economist's Perspective, 2 credit hours

An overview of economics principles as they apply to business management. Concepts of micro-economics, macro-economics, international economics and their roles in informing top management decisions will be covered. Pedagogical examples will be drawn from eight different types of businesses.

MAM 595 - The Marketer's Perspective, 2 credit hours

An overview of marketing principles in business. Concepts of market, marketing mix, positioning, market research and consumer behavior, and their roles in informing top management's decisions will be covered. Pedagogical examples will be drawn from eight different types of businesses.

MAM 596 - The Operations Manager's Perspective, 2 credit hours

An introduction to the tools of operations management and management science. Dependent-demand inventory management (MRP, DRP), independent-demand inventory management, forecasting, supply-chain operations in

general, and their roles in supporting top management decisions will be covered. Pedagogical examples will be drawn from eight different types of businesses.

MAM 597 - The Lawyer's Perspective, 2 credit hours

An overview of legal and ethical principles in a business environment. Concepts of contracts, regulations, insurance, and ethics as they apply to corporate decisions will be covered. Pedagogical examples will be drawn from eight different types of businesses.

MAM 598 - The Manager's Perspective, 2 credit hours

An overview of organizational management principles. Concepts of planning, leading, organizing, controlling, as well as organizational behavior and human resources in business organizations will be covered. Pedagogical examples will be drawn from eight different types of businesses.

MAM 599 - The Strategic Manager's Perspective, 2 credit hours

An overview of strategic management principles. Concepts of strategy setting, goals and objectives, mission, policy, and long-term planning in a business organization will be covered. Pedagogical examples will be drawn from eight different types of businesses.

Mathematics

MTH 021 - Refresher Algebra, 2 credit hours

This course provides remediation for those students lacking a thorough understanding of basic algebra. This course may be repeated until the student passes the placement exam that is prerequisite to most entry-level mathematics courses. Credits are not applicable toward the minimum credit requirement for graduation.

Graded: S/U

MTH 050 - Independent Study, 1-4 credit hours

MTH 070 - Internship, Credit hours to be arranged

MTH 101 - Mathematics Modeling & Quantitative Analysis, 3 credit hours

The course takes a numerical and modeling approach to the analysis of contextual-based mathematics with a de-emphasis on algebraic manipulations. Students utilize both paper-and-pencil and current technologies to further develop quantitative reasoning. Topics may include collecting, organizing, and interpreting sets of univariate data, fitting functions and graphs to bivariate data including linear and non-linear models, problem-solving, decision-making, probability and statistics. The focus is activity-based with a high-level of student engagement.

MTH 105 - Introduction to Probability and Statistics, 3 credit hours

Prerequisite(s): Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses.

An introductory course designed to promote the understanding of basic statistical and probability concepts. Topics to be studied include descriptive statistics, probability of finite sample spaces, probability distributions, hypothesis testing, confidence intervals and parameter estimation.

MTH 108 - Biostatistics, 3 credit hours

Prerequisite(s): Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses.

An introductory course in statistics for the biological and health sciences covering descriptive statistics, probability and probability distributions, hypothesis testing, correlation and regression, and analysis of variance.

MTH 111 - Mathematics for Early and Middle Childhood Teachers, Part I, 4 credit hours

Prerequisite(s): Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses.

Open to early and middle childhood majors only. A systematic presentation of elementary mathematics for those who are preparing to teach early and middle childhood. The course provides an overall view of the number system, emphasizing ideas and concepts rather than routine drill. The following topics are surveyed: evolution of the number system, logic and sets, elementary number theory, rules for algebraic manipulation, and mathematical systems.

MTH 112 - Mathematics for Middle Childhood Teachers, Part II, 4 credit hours

Prerequisite(s): MTH 111 or permission of the instructor. Students who have not successfully completed a high school geometry course should make special arrangements for tutoring in geometry prior to enrolling in this course.

Open to middle childhood majors only. A continuation of MTH 111, this course examines the ideas of rational and irrational numbers, discrete mathematics, counting theory, basic probability, and basic statistics.

MTH 113 - Mathematics for Early Childhood Teachers, Part II, 2 credit hours

Prerequisite(s): MTH 111 or permission of the instructor. Students who have not successfully completed a high school geometry course should make special arrangements for tutoring in geometry prior to enrolling in this course.

Open to early childhood majors only. A continuation of MTH 111, this course examines the ideas and concepts of geometry and measurements. Included are a study of measurement in one, two and three dimensions, properties and classification of two and three dimensional geometric objects and basic statistical displays.

MTH 115 - Geometry for Middle Childhood Teachers, 3 credit hours

Prerequisite(s): MTH 111 or permission of instructor

A review of the basics of Euclidean geometry will be followed by a study of empirical geometry, some finite geometries, geometric constructions and measurement activities. The activity and manipulation approach to geometry will be emphasized throughout. Required for middle childhood education majors with a math concentration.

MTH 118 - Algebraic Thinking Through Modeling, 3 credit hours

Prerequisite(s): MTH 111 and MTH 112 (grade C- or higher in both)

An exploration of algebraic ideas involving representation, organizing data and looking for patterns, generalizing findings into a rule, and using findings to make predictions. Through the use of modeling, problem solving, and exploring the multiple uses of algebraic letters students are enabled to see the interconnections among algebraic topics from an advanced perspective.

MTH 120 - Applied College Mathematics, 4 credit hours

Notes: Admission to the 4 credit hour version is through departmental approval.

This course is designed for freshmen and deals with the fundamental mathematical tools frequently applied in the natural, management and social sciences. Topics include linear, quadratic, exponential functions, linear systems, linear programming, mathematics of finance, and statistics. (All topics are approached with a view toward applications.) The 4 credit hour version includes some remedial topics.

MTH 121 - Applied College Mathematics, 3 credit hours

Prerequisite(s): Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses.

Students are required to have achieved an ACT Math Score of 22 or higher, a SAT Math Section Score of 520 or higher (if taken prior to March 2016), a SAT Math Section Score of 550 or higher (if taken after March 2016), a SAT Math Test Score of 27.5 or higher, or a score of 80% or higher on the Baldwin Wallace mathematics placement exam.

This course is designed for freshmen and deals with the fundamental mathematical tools frequently applied in the natural, management and social sciences. Topics include linear, quadratic, exponential functions, linear systems, linear programming, mathematics of finance, and statistics. (All topics are approached with a view toward applications.)

MTH 140 - Precalculus Mathematics, 4 credit hours

Prerequisite(s): Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses.

Students are required to have achieved an ACT Math Score of 22 or higher, a SAT Math Section Score of 520 or higher (if taken prior to March 2016), a SAT Math Section Score of 550 or higher (if taken after March 2016), a SAT Math Test Score of 27.5 or higher, or a score of 80% or higher on the Baldwin Wallace mathematics placement exam.

A University-level review of algebra, trigonometry and analytic geometry. The course is designed to prepare students for the study of calculus. A graphing calculator is required, and will be used extensively.

MTH 141 - Calculus I, 4 credit hours

Prerequisite(s): MTH 140 or an ACT Math Score of 27 or higher, a SAT Math Section Score of 550 or higher (if taken prior to

March 2016), a SAT Math Section Score of 570 or higher (if taken after March 2016), or a SAT Math Test Score of 28.5 or higher.

This course will develop the theory and applications of calculus, including limits, continuity, differentiation, and an introduction to integration and the fundamental theorem of calculus. Topics from elementary functions will be reviewed as needed. Applications and concepts explored using CAS technology.

MTH 142 - Calculus II, 4 credit hours

Prerequisite(s): MTH 141

A continuation of MTH 141, covering techniques and applications of integration, sequences and series, and polar and parametric equations. CAS technology employed.

MTH 153 - Design and Analysis of Experiments, 3 credit hours

Prerequisite(s): One of the following: MTH 105, MTH 108, ECN 279 or PSY 278

The course is an introductory course in the design and analysis of experiments. It is intended for those who have completed a one semester course in statistics. Students will learn to properly plan a statistical study to meet specified objectives in order to ensure that the right type of data of sufficient sample size is available to answer the questions of interest in an economical manner.

MTH 160 - Introduction to Discrete Structures, 3 credit hours

This course introduces basic concepts in discrete processes and how those concepts apply in computing. Topics include logic, functions, graphs and set. This course is required of all Computer Information Systems Analyst and Computer and Network Security Analyst majors.

MTH 161 - Discrete Structures for Computing, 3 credit hours

Prerequisite(s): Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses.

Students are required to have achieved an ACT Math Score of 22 or higher, a SAT Math Section Score of 520 or higher (if taken prior to March 2016), a SAT Math Section Score of 550 or higher (if taken after March 2016), a SAT Math Test Score of 27.5 or higher, or a score of 80% or higher on the Baldwin Wallace mathematics placement exam.

This course introduces basic concepts in discrete processes, their underlying theory, and how those concepts apply to computing. Topics include logic, functions, graphs, sets and computational efficiency. This course is required of all Computer Science and Software Engineering majors.

MTH 201 - History of Mathematics, 1 credit hour

Prerequisite(s): MTH 141

This course will survey the history of mathematics from the earliest known results to modern calculus, using assigned readings, problems and discussion

MTH 206 - Mathematical Logic and Proof Methods, 3 credit hours**Prerequisite(s):** MTH 141

Covers the principles of symbolic logic and of proof methods in elementary mathematical topics, with the goal of preparing students for reading and writing proofs in advanced mathematics courses. Required for majors.

MTH 211 - Linear Algebra, 3 credit hours**Prerequisite(s):** MTH 141

Systems of linear equations, matrices and determinants, vectors and vector spaces, eigenvalues and eigenvectors, linear transformations, and applications are studied. The course focuses on widespread applications and computations; and also provides an introduction to axiomatic mathematics.

MTH 235 - Probability & Statistics for Scientists & Engineers, 3 credit hours**Prerequisite(s):** MTH 142 or instructor's permission

Calculus-based introduction to basic probability and statistics. Major topics include discrete and continuous random variables, probability distributions, and an overview of inferential statistics. Statistical computing will be introduced through the use of R.

MTH 243 - Calculus III, 4 credit hours**Prerequisite(s):** MTH 142

A continuation of MTH 142, covering functions in several variables, partial differentiation, vectors, vector-valued functions, surfaces, solids, and multiple integrals, and vector analysis. CAS technology employed.

MTH 245 - Differential Equations, 3 credit hours**Prerequisite/Corequisite:** MTH 243

An introductory course in ordinary differential equations and their applications. Topics will include first-order differential equations, higher-order linear equations, series solutions, and systems of differential equations. Computer technology will also be used.

MTH 259 - Faculty-student Collaboration, Credit hours to be arranged**MTH 262 - Discrete Mathematics, 3 credit hours****Prerequisite(s):** MTH 206

This course is a study of discrete processes as opposed to continuous processes. The topics include combinatorics, mathematical induction and recursion, relations, graphs and trees. Required for those seeking licensure to teach high school mathematics.

MTH 263X - Seminar, 1-3 credit hours

A study of selected topics in mathematics.

MTH 271 - Introduction to Mathematical Modeling, 3 credit hours**Prerequisite(s):** MTH 142, CSC 210 or CSC 212

An introduction to a variety of modeling techniques and topics across various mathematical disciplines.

MTH 272 - Numerical Analysis, 3 credit hours**Prerequisite(s):** CSC 210 or CSC 212**Corequisite(s):** MTH 243

This course is an introduction to numerical methods for the efficient solution of mathematical problems. Topics covered will include roundoff error, algorithms and convergence, solving equations of one variable, interpolation, numerical integration, and numerical solution of ordinary differential equations. Numerical linear algebra may also be addressed.

MTH 302 - Number Theory, 3 credit hours**Prerequisite(s):** MTH 206

This course will develop basic concepts in number theory, including prime numbers and factorization, congruences, Fermat's theorem, and Diophantine equations, with additional topics chosen from continued fractions, recurrences, and elliptic curves. We will also investigate applications to secure communications and cryptosystems.

MTH 307 - Introduction to Operations Research, 3 credit hours**Prerequisite(s):** MTH 142

An introduction to some of the techniques which can be applied to explain the behavior of complex systems and aid in management decisions. Mathematical tools include probability, statistics, calculus and linear programming. Computer applications will be included.

MTH 313 - Applied Analysis, 3 credit hours**Prerequisite(s):** MTH 243

A calculus-based course in mathematical analysis for scientific and engineering applications. Topics will be drawn from vector analysis, complex arithmetic, Fourier series and transforms, Laplace transforms, and numerical methods.

MTH 315 - College Geometry, 3 credit hours**Prerequisite(s):** MTH 206

A continuation of the subject matter and methods of high school geometry, including theorems not taught in high school and an introduction to the modern geometry of the triangle and circle. Special attention is given to methods of proof and solving problems, the viewpoint being that of the prospective teacher or graduate student in mathematics. Finite and non-Euclidean geometries will be studied.

MTH 359 - Faculty-student Collaboration, Credit hours to be arranged**MTH 405 - Theory of Probability, 4 credit hours****Prerequisite(s):** MTH 243 or permission of instructor. A course in elementary statistics is also highly recommended but not required.

Theory of probability and mathematical statistics, with emphasis on probability distributions.

MTH 406 - Mathematical Statistics, 3 credit hours**Prerequisite(s):** MTH 405

A continuation of MTH 405 with emphasis on the theory and applications of random samples, hypothesis testing, parameter estimation and regression.

MTH 409 - Real Analysis, 4 credit hours**Prerequisite(s):** MTH 206 and MTH 243

This is an analytical study of the real number system and the foundations of calculus. Topics will include axioms for the real numbers, limits, continuity, and differentiability, as well as techniques of proving theorems.

MTH 411 - Abstract Algebra, 4 credit hours**Prerequisite(s):** MTH 206 and MTH 211

An axiomatic approach to algebraic structures, with the focus on groups, homomorphisms and factor groups. Required for those seeking licensure to teach high school mathematics.

MTH 459 - Faculty-student Collaboration, Credit hours to be arranged**MTH 463 - Seminar, 1-3 credit hours****Prerequisite(s):** Advanced standing and consent of the instructor

Advanced study for qualified students.

MTH 464X - Senior Capstone Experience, 3 credit hours

Prerequisite(s): Senior status or 6 math credits at 300+ level with instructor's approval.

A senior experience integrating multiple aspects of the undergraduate mathematics program. The course will be project-based and group-focused. Students will either design viable solutions for non-routine mathematical problem(s) or engage in mathematical research.

MTH 465 - Senior Seminar I, 3 credit hours

Prerequisite(s): Senior Standing

Senior seminar course for advanced students. Students will be expected to engage with industry partners on a modeling project and provide frequent updates on projects.

MTH 466X - Senior Seminar II, 3 credit hours

Prerequisite(s): MTH 465 and Senior Standing

Senior seminar course for advanced students. Students will be expected to engage with industry partners on a modeling project and provide frequent updates on projects. Students will be expected to present findings for various groups.

MTH 470X - Internship, Credit hours to be arranged

Prerequisite(s): Department Permission

Internship with an industry or community partner.

MTH 491 - Departmental Thesis/project, Credit hours to be arranged**MTH 492 - Departmental Thesis/project, Credit hours to be arranged**

Music as Conservatory Study

MUC 001 - Performance Attendance, 0 credit hours

Attendance of a minimum number of performances each semester. See individual program requirements.

MUC 002 - Departmental Recital, 0 credit hours

Attendance of scheduled departmental recitals. See individual program requirements.

MUC 011 - Music Fundamentals, 2 credit hours

Notes: Required for Music majors and minors with minimal experience reading music. Enrollment based on placement exam.

The purpose of this course is to provide students with a basic knowledge of music notation and the fundamentals of tonal harmony, including staff and rhythmic notation, scales, intervals, triads, and lead sheets symbols. Students will be expected to demonstrate their knowledge through written theory, keyboard performance, and singing.

MUC 050 - Independent Study, Credit hours to be arranged**MUC 070 - Internship, Credit hours to be arranged**

Program of study for the Pedagogy Emphasis.

MUC 101 - Primary Instrument: Private Lessons, 2-4 credit hours

Prerequisite(s): Entry-level audition; for subsequent levels - previous level. Secondary, minor and elective study use MUC 131, MUC 132, MUC 231, MUC 232

Corequisite(s): Must be taken concurrently with MUC 002.

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. Additional fees required for BA Music students.

MUC 102 - Primary Instrument: Private Lessons, 2-4 credit hours

Prerequisite(s): Entry-level audition; for subsequent levels - previous level. Secondary, minor and elective study use MUC 131, MUC 132, MUC 231, MUC 232

Corequisite(s): Must be taken concurrently with MUC 002.

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. Additional fees required for non-music majors, BA Music students, and music minors.

MUC 105 - Meditation and Mindfulness for Musicians, 1 credit hour

Prerequisite(s): Must be a music major or music minor.

This is a skill-based course in meditation and mindfulness for musicians, with emphasis on applying these skills to practicing and performance. Participants will learn to recognize their physiological and emotional stress indicators and learn relaxation techniques that allow them to reduce performance anxiety, enhance self-confidence on stage and in the classroom, and help to prevent repetitive stress injuries. Students will study various established world traditions, and emerge from the course with a sustainable personal practice of mindfulness.

MUC 106 - Freshmen Composition Lessons 1, 1 credit hour

Corequisite(s): MUC 116

Development of compositional skills through individualized study. Students focus on developing compositional craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media.

MUC 107 - Freshmen Composition Lessons 2, 1 credit hour

Prerequisite(s): MUC 106

Corequisite(s): MUC 117

Development of compositional skills through individualized study. Students focus on developing compositional craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media.

MUC 110 - Music Technology and Notation, 1 credit hour

Introduction to standard guidelines for the written notation of music and computerized notation software, including Finale and Sibelius. In addition, topics in basic audio and video recording and editing will be introduced, so that students can begin to assemble a professional digital portfolio. This course emphasizes the practical uses of technology for musicians in today's digital age.

MUC 111 - Tonal Harmony 1, 2 credit hours

Prerequisite(s): "C-" or better in MUC 011 or placement

Corequisite(s): Should be taken concurrently with MUC 112

A comprehensive study of tonal harmony, approached through analysis, composition, and keyboard exercises.

MUC 112 - Solfège/Eurhythmics 1, 2 credit hours

Prerequisite(s): "C-" or better in MUC 011 or placement

Corequisite(s): Should be taken concurrently with MUC 111

A comprehensive study of ear training, sight-singing, and the development of musical memory. Skills developed include rhythmic and melodic reading ability, and musical dictation.

MUC 113 - Tonal Harmony 2, 2 credit hours

Prerequisite(s): "C-" or better in MUC 111

Corequisite(s): Should be taken concurrently with MUC 114.

A comprehensive study of tonal harmony, approached through analysis, composition, and keyboard exercises.

MUC 114 - Solfège/Eurhythmics 2, 2 credit hours

Prerequisite(s): "C-" or better in MUC 111 and MUC 112

Corequisite(s): Should be taken concurrently with MUC 113.

A comprehensive study of ear training, sight-singing, and the development of musical memory. Skills developed include rhythmic and melodic reading ability, and musical dictation.

MUC 116 - Introduction to Composition 1, 2 credit hours

Prerequisite(s): consent of instructor

An introduction to musical composition, employing the smaller forms in a variety of styles.

MUC 117 - Introduction to Composition 2, 2 credit hours

Prerequisite(s): MUC 116 and consent of instructor

An introduction to musical composition, employing the smaller forms in a variety of styles.

MUC 121 - Western Music History Survey 1, 3 credit hours

Prerequisite(s): Prerequisite for MUC 121=MUC 113 and MUC 114

A two-semester of the major philosophical and aesthetic trends in Western music history, the noted composers in each style period, and masterworks of the literature. For Music Theatre majors, some BA music majors, and all music minors. Core skills addressed include complex thinking skills and knowledge of human behaviors, cultures and the natural world.

MUC 122 - Western Music History Survey 2, 3 credit hours

Prerequisite(s): Prerequisite for MUC 122=MUC 121

A two-semester of the major philosophical and aesthetic trends in Western music history, the noted composers in each style period, and masterworks of the literature. For Music Theatre majors, some BA music majors, and all music minors. Core skills addressed include complex thinking skills and knowledge of human behaviors, cultures and the natural world. Fulfills the core writing extension requirement.

MUC 131 - Secondary Instrument Levels 1, 1 credit hour

Private lessons on secondary instrument for music majors; available for minors and elective study by audition only and as staffing permits. Additional fee required for non-music majors. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world. Additional fees required for non-music majors, BA Music students, and music minors as well as music majors pursuing secondary study beyond the required four semesters.

MUC 132 - Secondary Instrument Levels 2, 1 credit hour

Prerequisite(s): Prerequisite for MUC-132 = MUC 131

Private lessons on secondary instrument for music majors; available for minors and elective study by audition only and as staffing permits. Additional fee required for non-music majors. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world. Additional fees required for non-music majors, BA Music students, and music minors as well as music majors pursuing secondary study beyond the required four semesters.

MUC 133 - Keyboard Musicianship 1, 1 credit hour

Class instruction in sight-reading and other keyboard skills for the non-piano music major. Open to music majors only.

MUC 134 - Keyboard Musicianship 2, 1 credit hour**Prerequisite(s):** "C-" or better in MUC 133

Class instruction in sight-reading and other keyboard skills for the non-piano music major. Open to music majors only.

MUC 135 - Voice Class, 1 credit hour

Introduction to the basic elements of singing, including physiological aspects of the singing process, diction principles based on the International Phonetic Alphabet, and expressive techniques. Emphasis on development of individual singing skills.

MUC 136 - Guitar Class, 1 credit hour

Instruction in playing primary chords in several keys, strumming patterns to accompany singing, and a repertoire of songs from the folk, popular, and patriotic literature. Use of bass guitar and amplification included. Use of personally owned instruments advised.

MUC 137 - Intermediate Guitar Class, 1 credit hour**Prerequisite(s):** MUC 136 or consent of instructor

Class instruction to further develop technique and broaden styles introduced in MUC 136. Barre chords, note reading, accompaniment of singing, playing by ear, transposition, and finger picking are among topics for study.

MUC 140 - Singers' Phonetics, 1 credit hour

The study of the International Phonetic Alphabet applied to singing in English, Italian, French and German.

MUC 141 - Singers' Diction and Literature 1, 2 credit hours

The study of the International Phonetic Alphabet applied to singing in English and the study of recital literature focusing on British and American art song.

MUC 142 - Singers' Diction and Literature 2, 2 credit hours**Prerequisite(s):** MUC 141

The study of the International Phonetic Alphabet applied to singing in Italian and the study of recital literature focusing on Italian art song and operatic recitative.

MUC 145 - Music Theatre Workshop 1: Fundamentals of Stage Performance, 1 credit hour

Students undertake an intensive introduction to techniques for acting for the stage, with a specific objective of creating a language and style for Music Theatre performance. Students will explore the fundamental principles of action—objective and obstacle—as well as the idea of given circumstances, and learn to make non-contemporary, hyper-realistic performance choices.

MUC 146 - Music Theatre Workshop 2: Intro to Music Theatre Techniques, 1 credit hour**Prerequisite(s):** MUC 145 or consent of instructor

Students will apply fundamental skills acquired in the first semester to the performance of Music Theatre repertoire. Students explore song interpretation, self-presentation and specific performance choices, and begin to create an audition songbook.

MUC 147 - Voice Performance Workshop 1: Acting/ Movement/ Music 1, 1 credit hour

Students will learn fundamental acting technique and process, physical characterization, and how to prepare music and text in the development of a unique piece of opera theater. Students will also explore the musical preparation process, style, and how to prepare to professional industry standards. The course will culminate in a performance of student-created work.

MUC 148 - Voice Performance Workshop 2: Acting/ Movement/ Music 2, 1 credit hour**Prerequisite(s):** MUC 147 or consent of Director of Opera Studies

Students will develop intermediate physical and vocal characterization skills through in-class work on assigned

English language monologues and songs with classical stylistic acting demands, texts, and music. Classical monologue sessions will focus on acting technique, process, and physical characterization. Musical coursework will include interpretation, style and communication of songs, and fundamental audition technique. The course will culminate in a final performance.

MUC 151 - Introduction to Music Therapy, 2 credit hours

Provides an overview of the profession including terminology, history, and practical application of music therapy for various client populations. Assessment of personal qualities necessary to become a music therapist is an ongoing process of the class. Observations of music therapists and those in related fields are required in addition to class work.

MUC 152 - Vocal Skills for Music Therapists, 2 credit hours

An introduction to the theory and practice of using the voice effectively in music therapy sessions. Topics include anatomy of breathing and the larynx, preventing vocal fatigue, and developing a list of repertoire in appropriate keys for use with various client groups.

MUC 171 - Introduction to Music Education, 2 credit hours

A survey of American education and music education history, with an emphasis on music teaching and philosophy, school structure and governance, diversity and multicultural education, current approaches, and professional ethics. Supervised clinical and field experiences required.

MUC 172 - Group Vocal Techniques, 2 credit hours

Prerequisite(s): MUC 171

Class instruction in group vocal technique with emphasis on the development of diagnostic and pedagogical skills as appropriate in the choral ensemble. Special focus will be given to the needs of the adolescent singer. Five hours of supervised clinical and field experience required.

MUC 181 - Sight-reading 1, 1 credit hour

Required of piano performance majors in the first year; piano secondaries may enroll with consent of the instructor. Development of fundamental prima-vista and quick-preparation reading skills for pianists.

MUC 182 - Sight-reading 2, 1 credit hour

Prerequisite(s): Prerequisite for MUC 182 = MUC 181

Required of piano performance majors in the first year; piano secondaries may enroll with consent of the instructor. Development of fundamental prima-vista and quick-preparation reading skills for pianists.

MUC 201 - Primary Instrument: Private Lessons, 2-4 credit hours

Prerequisite(s): Entry-level audition; for subsequent levels - previous level. Secondary, minor and elective study use MUC 131, MUC 132, MUC 231, MUC 232

Corequisite(s): must be taken concurrently with MUC 002.

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. Additional fees required for non-music majors, BA Music students, and music minors.

MUC 202 - Primary Instrument: Private Lessons, 2-4 credit hours

Prerequisite(s): Entry-level audition; for subsequent levels - previous level. Secondary, minor and elective study use MUC 131, MUC 132, MUC 231, MUC 232

Corequisite(s): Must be taken concurrently with MUC 002.

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. Additional fees required for non-music majors, BA Music students, and music minors.

MUC 205 - Major Ensembles, 1 credit hour

BW SINGERS
UNIVERSITY CHOIR
SYMPHONIC BAND
MOTET CHOIR
SYMPHONIC WIND ENSEMBLE
SYMPHONY ORCHESTRA
WOMEN'S CHOIR

Participation in rehearsals and performances with a large ensemble. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world. Audition required. May be repeated for credit.

MUC 206 - Elective Ensembles, 1 credit hour

BRASS CHOIR
COLLEGIUM MUSICUM
JAZZ BAND
JAZZ COMBO
PERCUSSION ENSEMBLE

Participation in rehearsals and performances with an elective ensemble. May not be used to fulfill major ensemble requirement. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world. Audition required. May be repeated for credit.

MUC 207 - Chamber Music, 1 credit hour

Rehearsal and performance of chamber music under faculty guidance. May be repeated for credit; may be taken twice in the same semester (registration assistance may be required).

MUC 211 - Tonal Harmony 3, 2 credit hours

Prerequisite(s): MUC 113

Corequisite(s): should be taken concurrently with MUC 212.

A continuation of the study of tonal harmony focusing on intense chromaticism and modulation through analysis, composition, and keyboard exercises.

MUC 212 - Solfège 3, 2 credit hours

Prerequisite(s): MUC 113, MUC 114

Corequisite(s): should be taken concurrently with MUC 211.

A continuation of the study of the hearing and singing of tonal music, focusing on intense chromaticism, modulation, and advanced rhythmic techniques.

MUC 213 - Tonal Counterpoint, 2 credit hours

Prerequisite(s): MUC 211; co-requisite: MUC 223I

Corequisite(s): should be taken concurrently with MUC 223I

A systematic study of important contrapuntal techniques, with emphasis on the contrapuntal style of the eighteenth century.

MUC 214 - Modal Counterpoint, 2 credit hours

Prerequisite(s): MUC 113

A systematic study concentrating on music of Palestrina and his contemporaries.

MUC 215 - Composition Seminar, 0 credit hours

Notes: Composition majors only or permission of instructor.

Corequisite(s): should be taken concurrently with Composition Lessons.

Development of compositional skills through a weekly master class. Students focus on developing compositional

craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media.

MUC 216 - Composition Lessons 1, 3 credit hours

Prerequisite(s): Composition majors only or permission of instructor.

Corequisite(s): Co-requisite: MUC 215

Development of compositional skills through individualized study. Students focus on developing compositional craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media.

MUC 217 - Composition Lessons 2, 3 credit hours

Prerequisite(s): Composition majors only or permission of instructor.

Corequisite(s): Co-requisite: MUC 215

Development of compositional skills through individualized study. Students focus on developing compositional craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media.

MUC 218 - Jazz Improvisation, 2 credit hours

The development of basic improvisational skills. Some performance background necessary.

MUC 219 - Jazz Arranging/Composition, 2 credit hours

Fundamental techniques in arranging and composition for the jazz idiom. Analysis of stylistic approaches, compositional devices, and instrumentation. Weekly compositional and/or arranging projects required.

MUC 220 - Techniques & Materials of the Musical Theatre Repertoire, 2 credit hours

Prerequisite(s): MUC 113 and MUC 114

Corequisite(s): MUC 222

An exploration of the structure, techniques, and performance idioms of music theatre repertoire, with an emphasis on the reading and improvisation skills required by this literature.

MUC 221 - Music History & Literature 1: World and Medieval Music History, 3 credit hours

Prerequisite(s): Music majors only, or the ability to read music and consent of instructor.

An examination of the historical and stylistic elements of selected non-Western musical traditions and the study of the stylistic developments and representative masterworks of the Medieval era in the Western world. Music is studied in its cultural and historical contexts. Includes significant listening, score study, and written work.

MUC 222 - Solfege Techniques & Materials of the Music Theatre Repertoire, 2 credit hours

Prerequisite(s): MUC 113 and MUC 114

Corequisite(s): MUC 220

A continuation of the study of the hearing and singing of tonal music, focusing on chromaticism, modulation, and advanced rhythmic techniques as found in music theatre repertoire.

MUC 223I - Music History & Literature 2 Renaissance and Baroque Music History, 3 credit hours

Prerequisite(s): MUC 221I or the ability to read music and consent of instructor.

Corequisite(s): This course should ordinarily be taken concurrently with MUC 213.

A study of stylistic developments and representative masterworks of the Renaissance and Baroque eras of Western music. Music is studied in its cultural and historical contexts. Includes significant listening, score study, and written work. Fulfills the core writing extension requirement.

MUC 224D - History of Jazz, 2 credit hours

A survey of jazz from its origins through Dixieland and Ragtime to the present.

MUC 225 - Music Theatre History, 3 credit hours**Prerequisite(s):** MUC 211 & MUC 212**Corequisite(s):** MUC 220

A survey of the playwrights, composers, lyricists, directors, choreographers, performers and productions of the American musical theater from its European beginnings to the present, placing the music theatre form within a framework of social and historical relevance. Specific works are studied so that students achieve proficiency in identifying how musicals are crafted, and how stylistic and technical elements within a musical collaborate to express meaning. Offered spring semester.

MUC 227 - History of Music & Drama, 3 credit hours**Prerequisite(s):** MUC 113 and MUC 114

A study of the six major classical music time periods through the lens of opera and other music developed around and in response to drama.

MUC 231 - Secondary Instrument Levels 3, 1 credit hour**Prerequisite(s):** Prerequisite for MUC-231=MUC 132

Private lessons on secondary instrument for music majors; available for minors and elective study by audition only and as staffing permits. Additional fee required for non-music majors. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world.

MUC 232 - Secondary Instrument Levels 4, 1 credit hour**Prerequisite(s):** Prerequisite for MUC-232F=MUC 231

Private lessons on secondary instrument for music majors; available for minors and elective study by audition only and as staffing permits. Additional fee required for non-music majors. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world.

MUC 233 - Keyboard Musicianship 3, 1 credit hour**Prerequisite(s):** "C-" or better in MUC 134

Class instruction in functional piano skills including melody harmonization, figured-bass realization, improvisation, score reading, sight-reading, and transposition. Emphasis on spontaneous music making and ensemble playing.

MUC 234 - Keyboard Musicianship 4, 1 credit hour**Prerequisite(s):** "C-" or better in MUC 233

Class instruction in functional piano skills including melody harmonization, figured-bass realization, improvisation, score-reading, sight-reading, and transposition. Emphasis on spontaneous music-making and ensemble playing.

MUC 235 - Keyboard Musicianship for the Practitioner, 1 credit hour**Prerequisite(s):** MUC 234, completion of the keyboard proficiency exam, or students with keyboard as their primary instrument.

This class is designed to develop the functional piano skills of music educators, music therapists, choir directors, and those who use the keyboard to accompany others. Course topics include repertoire, reading lead sheets, song leading from the keyboard, variation techniques, and improvisation. Students will create an online portfolio to store their materials while tagging their scores and ideas for retrieval in their professional life. Required as one semester of secondary study for piano primary MUSE and MUSP.

MUC 236 - Jazz Piano Skills, 1 credit hour**Prerequisite(s):** Completed piano proficiency exam, status as piano primary student, or permission of instructor.

Students learn about jazz chords and improvisation concepts. Students learn how to interpret chord symbols, play voicings, harmonize a melody, "comp" in various styles, walk bass lines, and improvise. May count for one semester of secondary study.

MUC 241 - Singers' Diction and Literature 3, 2 credit hours

Prerequisite(s): MUC 142

The study of the International Phonetic Alphabet applied to singing in German and the study of recital literature focusing on German Lied.

MUC 242 - Singer's Diction and Literature 4, 2 credit hours

Prerequisite(s): MUC 241

The study of the International Phonetic Alphabet applied to singing in French and the study of recital literature focusing on French Mélodie.

MUC 245 - Music Theatre Workshop 3: Acting for Music Theatre, 1 credit hour

Prerequisite(s): MUC 146 or consent of instructor

Students work with scripts and learn how to use language intentionally to create the world of a play. Students write weekly analytical assignments and work closely and actively with text. Course work culminates in the performance of a classical scene work.

MUC 246X - Music Theatre Workshop 4: Audition Techniques, 1 credit hour

Prerequisite(s): MUC 245 or consent of instructor

Students master the art of the music theatre audition under professional conditions. Students audition for shows currently touring or running on Broadway, learning how to prepare, choose material, dress, and comport themselves in a professional audition environment.

MUC 247 - Voice Performance Workshop 3: Acting/ Movement/ Music 3, 1 credit hour

Prerequisite(s): MUC 148 or consent of the Director or Opera Studies

Students will develop advanced physical and vocal characterization skills through in-class work on assigned English language spoken scenes and songs with contemporary stylistic acting demands. Students will also develop musical preparation and style, communication and story-telling through songs, and fundamental audition technique. The course will culminate in a final performance of monologues and songs.

MUC 248 - Voice Performance Workshop 4: Music Theater - Dance/ Style/ Performance Technique, 1 credit hour

Prerequisite(s): MUC 247 or consent of the Director of Opera Studies

This course focuses on Golden Age Music Theater, late 20th Century Music Theater repertoire geared towards classically trained voices, and/or Operetta at the discretion of the instructors and according to the talents of the class. Classes will develop fundamental dance techniques for Waltz and other formal dances encountered in opera, operetta, and musical theater as well as choreography for assigned ensemble scenes. Assignments will focus on dramatic work, musical preparation, staging of assigned scene repertoire, and interpretation and performance techniques. Coursework culminates in a final workshop performance.

MUC 251 - Recreational Music: Programming and Leadership, 2 credit hours

Prerequisite(s): MUC 151 or consent of instructor

Development of a repertoire of activities to provide a foundation for initial field work experiences. Adaptation of activities and instruments, basic assessment of client interests and needs, and evaluation of observations are required.

MUC 253 - Percussion Skills for Music Therapists, 1 credit hour

Prerequisite(s): MUC 151 or consent of instructor

An introduction to percussion instruments, rhythmic counterpoint, and a variety of percussion repertoire that music therapists may use in professional settings. Students will gain basic technical competence on several percussion instruments and understand their function in group settings.

MUC 257 - Music Therapy Practicum 1, 1 credit hour

Prerequisite(s): MUC 151 and MUC 251

Student will complete at least 10 hours of direct client contact in a one-to-one setting at one of the approved practicum sites. Class content will include developing and administration of a client assessment, treatment plan, treatment evaluation and summary in addition to how to write progress notes. Students will also demonstrate and critic client interventions in the class meetings. Adherence to AMTA Standards of Practice, Code of Ethics and HIPAA regulations will be stressed in the conducting this faculty supervised experience.

MUC 259 - Faculty-student Collaboration, Credit hours to be arranged**MUC 263 - Seminar, Variable credit**

Specialized treatment of particular subjects.

MUC 271 - Music in a Diverse Society, 3 credit hours

Prerequisite(s): MUC 171, PSY 100 and PSY 205

Corequisite(s): EDU 103DX

Readings and experience in intercultural competence, culturally relevant pedagogy, and multicultural music. Students will understand ethnic, religious, and class diversity, particularly as it manifests itself in U.S. schools, and experience various instructional and assessment strategies that meet the needs of diverse learners. Class instruction in guitar, recorder (soprano, alto and tenor), and pitched and non-pitched small percussion instruments with emphasis on the development of playing skills, the understanding of pedagogical techniques and materials, and the ability to play and teach these instruments in a group setting. These instruments, ubiquitous in world music and in the musics found in the Americas, will then be the media, along with the literature, songs, and movement, through which students experience, understand, and transmit culture.

Supervised, diverse clinical and field experience required.

MUC 272 - General Music Methods, 3 credit hours

Prerequisite(s): MUC 271; PSY 205

Corequisite(s): EDU 201

The study of methods and materials for teaching music to children, pre-K through high school. Includes child development, music behaviors (performing, creating, listening, analyzing), music teaching philosophies and approaches, planning and assessment, and the use of technology, and sequencing of skills in general music settings across various populations.

Supervised clinical and field experiences, 15 hours of field experiences, and lab class required.

MUC 273 - Brass Class, 2 credit hours

Prerequisite(s): MUC 171, PSY 100

Class instruction in trumpet, horn, trombone, baritone horn, and tuba, with emphasis on the development of individual performance skills and diagnostic pedagogical techniques and materials.

Supervised clinical and field experiences and lab class required.

MUC 274 - Woodwind Class, 2 credit hours

Prerequisite(s): MUC 171, PSY 100

Class instruction in flute, clarinet, saxophone, oboe, and bassoon, with emphasis on the development of individual performance skills and diagnostic pedagogical techniques and materials. Supervised clinical and field experiences and lab class required.

MUC 275 - String Class, 2 credit hours

Prerequisite(s): MUC 171, PSY 100

Class instruction in violin, viola, cello and bass, with emphasis on the development of individual performance skills and diagnostic pedagogical techniques and materials.

Supervised clinical and field experiences and lab class required.

MUC 276 - Percussion Class, 2 credit hours**Prerequisite(s):** MUC 171, PSY 100

Class instruction in percussion instruments, with emphasis on the development of individual performance skills and diagnostic pedagogical techniques and materials.

Supervised clinical and field experiences and lab class required.

MUC 283 - Collaborative Piano, 1 credit hour

Required of sophomore, junior and senior B.M. Piano Performance majors; others by consent of instructor only. The study of key elements of effective collaborative performing, current career and artistic issues, practice and rehearsal techniques, and repertoire, with emphasis on duo works for piano and instrument/voice. Ongoing work with a minimum of one vocalist and one instrumentalist plus one recital performance required. May be repeated for credit.

MUC 291 - Conducting, 2 credit hours

Fundamental techniques of choral and instrumental conducting, including basic beat patterns, preparatory motions, cues, and releases.

MUC 292 - Advanced Conducting, 2 credit hours**Prerequisite(s):** MUC 291**MUC 301 - Primary Instrument: Private Lessons, 2-4 credit hours****Prerequisite(s):** Entry-level audition; for subsequent levels - previous level. Secondary, minor and elective study use MUC 131, MUC 132, MUC 231, MUC 232**Corequisite(s):** Must be taken concurrently with MUC 002.

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. Additional fees required for non-music majors, BA Music students, and music minors.

MUC 302 - Primary Instrument: Private Lessons, 2-4 credit hours**Prerequisite(s):** Entry-level audition; for subsequent levels - previous level. Secondary, minor and elective study use MUC 131, MUC 132, MUC 231, MUC 232**Corequisite(s):** Must be taken concurrently with MUC 002

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. Additional fees required for non-music majors, BA Music students, and music minors.

MUC 303 - Partial Junior Recital, .5 credit hour**Prerequisite(s):** Approval of department

Preparation and performance of a half-length recital program at the junior level. Repertoire chosen to represent technical achievement and a variety of musical styles.

MUC 305X - Pedagogy of Music, 3 credit hours**Prerequisite(s):** MUC 202

An examination of how the human mind interacts with and learns about, in, and through music. Techniques for effective music instruction as well as specific instruction on the student's primary instrument will be explored and practiced.

MUC 306 - Chamber Music Literature, 2 credit hours**Prerequisite(s):** MUC 211 and MUC 212

A study of the significant genres and stylistic trends in chamber music. The broad scope of chamber music literature will be examined through focus upon pivotal and archetypal masterworks, with an emphasis on understanding the historical and cultural context. Students will increase skills in analyzing as well as in writing and speaking about music.

MUC 307 - String Pedagogy, 3 credit hours**Prerequisite(s):** MUC 305X

Pedagogical techniques for string instruments with emphasis on the principal performing area. A range of pedagogical approaches and teaching literature will be examined. Mentored teaching experiences will be arranged.

MUC 309 - Entrepreneurship and Advocacy, 1 credit hour**Prerequisite(s):** MUC 202

An examination of practical skills and knowledge required for a contemporary professional musician. Includes an introduction to relevant aspects of finance, marketing, contracting, and intellectual property. Additional topics include career exploration & development, audience building, and arts advocacy.

MUC 311 - Form and Analysis, 2 credit hours**Prerequisite(s):** MUC 211 or consent of instructor**Corequisite(s):** MUC 3211.

The study of motive, phrase, period, and standard musical forms employed in the Western musical tradition. Emphasis on the historical development of these forms.

MUC 313 - Theory of Music Since 1900, 2 credit hours**Prerequisite(s):** MUC 211**Corequisite(s):** MUC 323I and MUC 314

Study of the materials, techniques, theories, and styles of composers of the twentieth and twenty-first centuries.

MUC 314 - Solfège 4, 2 credit hours**Prerequisite(s):** MUC 211 and MUC 212**Corequisite(s):** MUC 323I and MUC 313

An exploration of the skills and techniques needed to sight sing and recognize common non-tonal and contemporary musical structures and advanced rhythmic techniques.

MUC 315 - Electronic Music, 2 credit hours

Survey of the evolution of electro-mechanical means of creating music with a focus on contemporary technology. Topics include hardware, software, MIDI, sequencing, sampling, and multimedia applications.

MUC 316 - Composition Lessons 3, 3 credit hours**Prerequisite(s):** MUC 217; Composition majors only or permission of instructor.**Corequisite(s):** MUC 215

Development of compositional skills through individualized study. Students focus on developing compositional craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media.

MUC 317 - Composition Lessons 4, 3 credit hours**Prerequisite(s):** MUC 217; Composition majors only or permission of instructor.**Corequisite(s):** MUC 215

Development of compositional skills through individualized study. Students focus on developing compositional craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media.

MUC 318 - Instrumentation and Orchestration, 2 credit hours**Prerequisite(s):** MUC 211

An introduction to the instruments of the orchestra and the study of basic playing techniques and limitations and scoring methods.

MUC 319 - Advanced Orchestration, 2 credit hours**Prerequisite(s):** MUC 318

Advanced orchestration techniques and study of scoring in different stylistic periods. Applied scoring and preparation of score and parts required.

MUC 321I - Music History & Literature 3 Music of the Classical and the Romantic Eras, 3 credit hours**Prerequisite(s):** MUC 223I or the ability to read music and consent of instructor.**Corequisite(s):** should be taken concurrently with MUC 311.

A study of stylistic developments and representative masterworks of the Classical and Romantic eras of Western music. Music is studied in its cultural and historical contexts. Includes significant listening, score study, and written work.

MUC 323I - Music History & Literature 4 Music Since 1900, 3 credit hours**Prerequisite(s):** MUC 321I or the ability to read music and consent of instructor**Corequisite(s):** MUC 313 and MUC 314.

A study of stylistic developments and representative masterworks of Western music of the twentieth and twenty-first centuries. Music is studied in its cultural and historical contexts. Includes significant listening, score study, and written work.

MUC 326 - History of American Music, 2 credit hours

An historical survey of music performed and composed in the United States from the arrival of the earliest Spanish and English colonists to the present.

MUC 327I - History of Opera, 2 credit hours

An examination of opera from its origins in the 17th century to the present.

MUC 329 - Introduction to Research in Music, 1 credit hour

Introduces students to the nature of research in music. Through the study of the ways in which music information is created, disseminated, and organized, students will learn to locate, organize, evaluate, and use information. Skills learned will be applicable across disciplines. Music History and Music Theory majors will prepare for their senior project by developing a prospectus of their paper.

MUC 333 - Advanced Keyboard Musicianship 1, 1 credit hour**Prerequisite(s):** Successful completion of Jury 4 proficiency exam

The study of three and four part figured bass, melody harmonization, and score reading at the keyboard.

MUC 334 - Advanced Keyboard Musicianship 2, 1 credit hour**Prerequisite(s):** MUC 333 and successful completion of Jury 4 proficiency exam.

The study of three and four part figured bass, melody harmonization, and score reading at the keyboard.

MUC 341 - Vocal Pedagogy, 3 credit hours**Prerequisite(s):** MUC 305X

Practicum semester for students pursuing a Pedagogy Emphasis covering vocal exercises, problem solving techniques, and development of a personal philosophy of voice training. Includes observation of private teachers and supervised student teaching.

MUC 345 - Music Theatre Workshop 5: Advanced Scene Work/ New Songwriter's Showcase, 1 credit hour**Prerequisite(s):** MUC 246X or consent of instructor

Students work with advanced music theatre repertoire in a scene work context, and rehearse and perform a showcase of new, unpublished work written for Music Theatre by emerging composers.

MUC 346 - Music Theatre Workshop 6: Advanced Acting For Music Theatre, 1 credit hour

Prerequisite(s): MUC 345 or consent of instructor

Students acquire proficiency in commercial acting techniques, producing a voice-over demo, working on-camera and with an ear-prompter. Students rehearse and perform advanced monologue material.

MUC 347 - Voice Performance Workshop 5: Scenes and Period Style - Baroque, Bel Canto and Romantic, 1 credit hour

Prerequisite(s): MUC 248 or consent of the Director of Opera Studies

Students will continue the development of sung acting technique and craft by building on skills acquired in previous semesters. Class work will focus on fundamental period style through assigned scene material including Baroque, Bel Canto, and Romantic repertoire. Coursework culminates in a final workshop performance.

MUC 348 - Voice Performance Workshop 6: Scenes and Period Style - Classical and Contemporary, 1 credit hour

Prerequisite(s): MUC 347 or consent of the Director of Opera Studies

Students will continue the development of sung acting technique and craft by building on skills acquired in previous semesters. Class work will focus on fundamental period style through assigned scene material including Classical and Contemporary repertoire. Coursework culminates in a final workshop performance.

MUC 351 - Music Therapy in Psychiatry and Rehabilitation, 3 credit hours

Prerequisite(s): MUC 151 or consent of instructor

Clinical methods as they relate to working with psychiatric, geriatric, medical, neurologically impaired, and addicted clients.

MUC 352 - Music Therapy with the Developmentally Disabled, 3 credit hours

Prerequisite(s): MUC 151 or consent of instructor

Clinical practice as it relates to working with mentally retarded, autistic, sensory-impaired, physically challenged, and learning-disabled clients.

MUC 353 - Program Development and Administration in Music Therapy, 2 credit hours

Prerequisite(s): MUC 151 or consent of instructor

Focus on program planning, scheduling, budgeting, and public relations strategies. Procedures of documentation, standards of practice, codes of ethics, and legislative issues relating to the practice of music therapy included.

MUC 354 - Creating Music, 1 credit hour

Prerequisite(s): MUC 211 and MUC 212

The development of functional skills in improvisation, composition, instrumentation, and arranging for use in educational, liturgical, and other community-based settings.

MUC 357 - Music Therapy Practicum 2, 1 credit hour

Prerequisite(s): MUC 257

Student will complete at least 12 hours of direct client contact with a consistent client group at one of the approved practicum sites. Continued development of documentation and verbal reporting skills as well as in-class intervention presentations/critiques. Adherence to AMTA Standards of Practice, Code of Ethics and HIPAA regulations will be stressed in this faculty-supervised experience.

MUC 358X - Music Therapy Practicum 3, 1 credit hour

Prerequisite(s): MUC 357

Student will complete at least 12 hours of direct client contact (with a population/diagnoses not yet experienced in previous practica) at one of the approved practicum sites plus at least 2 hours of Peer Supervision observing and critiquing a peer in their fieldwork experience. Streamlining and adapting to facility-specific documentation and verbal reporting skills will be focus of class discussion as well as interviewing techniques, preparing for the CBMT exam and

CBMT continuing education standards. Adherence to AMTA Standards of Practice & Code of Ethics, CBMT Scope of Practice and HIPAA regulations will be stressed in this faculty-supervised experience.

MUC 363 - Seminar, Variable credit

Specialized treatment of particular subjects.

MUC 371 - Choral Music Methods, 3 credit hours

Prerequisite(s): EDU 201; MUC 272; PSY 205

The study of methods and materials for teaching choral music to students, grade 4 through high school. Includes the child singing voice, the changing voice, adolescent and late adolescent vocal development, curriculum and planning, repertoire, arranging, improvisation, and technology. Additional focus on performance settings, standard assessment program administration, specialized learning, adjudicated events, behavior management, recruiting, and public relations.

Supervised clinical and field experiences, 15 hours of field experiences, and lab class required.

MUC 372 - Instrumental Music Methods, 3 credit hours

Prerequisite(s): EDU 201; MUC 272; PSY 205

The study of methods and materials for teaching instrumental music to students, grade 4 through high school, from a comprehensive musicianship perspective. Includes the beginning instrumentalist, starting and planning the instrumental program, instrument testing, adolescent and late adolescent development, curriculum and planning, repertoire, arranging, improvisation, and technology. Additional focus on performance settings, standard assessment, program administration, specialized learning, adjudicated events, behavior management, recruiting, and public relations.

Supervised clinical and field experiences, 15 hours of field experiences, and lab class required.

MUC 373 - Marching Band Techniques, 1 credit hour

A detailed examination of the various elements involved in the marching band curriculum, including basic skills and the instructional techniques of marching and maneuvering, parade and field execution, drill design, auxiliary groups, and competition.

Field experience required.

MUC 381 - Piano Literature, 3 credit hours

A survey of keyboard literature from Elizabethan times to the present.

MUC 382 - Piano Pedagogy, 3 credit hours

Prerequisite(s): MUC 305X

The study of elementary, intermediate, and advanced piano methods and materials, with emphasis on teaching techniques, pedagogical philosophy and the integration of theory, musicianship, ear-training, and sight-reading into the private lesson environment. Includes observation of private teachers and supervised student teaching.

MUC 385 - Preparation for the Church Musician, 3 credit hours

Prerequisite(s): Piano or organ primary; others by consent of instructor

The development of basic skills for planning and playing a church service. Required for organ primaries.

MUC 401 - Primary Instrument: Private Lessons, 2-4 credit hours

Prerequisite(s): Entry-level audition; for subsequent levels - previous level. Secondary, minor and elective study use MUC 131, MUC 132, MUC 231, MUC 232

Corequisite(s): Must be taken concurrently with MUC 002.

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. Additional fees required for non-music majors, BA Music students, and music minors.

MUC 402 - Primary Instrument: Private Lessons, 2-4 credit hours

Prerequisite(s): Entry-level audition; for subsequent levels - previous level. Secondary, minor and elective study use MUC 131, MUC 132, MUC 231, MUC 232

Corequisite(s): Must be taken concurrently with MUC 002.

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. Additional fees required for non-music majors, BA Music students, and music minors.

MUC 403 - Partial Senior Recital, .5 credit hour

Prerequisite(s): Approval of department

Preparation and performance of a half-length recital program at the senior level. Repertoire chosen to represent technical achievement and a variety of musical styles.

MUC 404 - Full Senior Recital, 1 credit hour

Prerequisite(s): Approval of department

Preparation and performance of a full-length recital program at the senior level. Repertoire chosen to represent technical achievement and a variety of musical styles.

MUC 405 - Chamber Music Recital, 1 credit hour

Prerequisite(s): Approval of department

Preparation and performance of a full-length chamber music recital program at the senior level. Repertoire chosen to represent technical achievement and a variety of musical styles.

MUC 410 - Thesis Project Presentation, 1 credit hour

Prerequisite(s): Approval of department

Preparation and performance of a lecture program at the senior level, as a publishable document, and as a defended work of scholarship. Subject to correspond with the required Senior Research project in Music History or Music Theory.

MUC 411 - Thesis Research in Music Theory, 1 credit hour

In-depth analysis and supporting research of a major work of symphonic proportions or a group of shorter works. Use of several analytical approaches expected. Requires completion of major paper in compliance with departmental requirements.

MUC 412 - Music Academic Studies Seminar, 0 credit hours

Prerequisite(s): Must be a music major to enter course.

A seminar for music history and music theory majors to be taken throughout the junior and senior years. This seminar will include a series of lectures, presentations, and discussions led by department faculty and visiting scholars. It is meant to demonstrate musical scholarship and provide guidance for students as they work through their undergraduate research projects. Additionally, the seminar will focus on professional development topics such as graduate school applications, graduate entrance exams, graduate and undergraduate scholarships, graduate assistantships, conference proposals, and professional etiquette. This seminar is open to interested students, faculty, and/or staff who would benefit from the information.

MUC 413 - Structure and Interpretation, 2 credit hours

Prerequisite(s): MUC 311 or the consent of instructor

Structural analysis as applied to musical expression. Study of ways the structure of music informs its interpretation and performance.

MUC 414 - Layer Analysis, 2 credit hours

Prerequisite(s): MUC 311

Techniques of analysis presented according to the principles of Schenker, Salzer, and Cogan.

MUC 415 - Contemporary Composition Techniques, 2 credit hours

Prerequisite(s): MUC 217; Composition majors only or permission of instructor

An exploration and composition modeling course of 20th and 21st century compositional trends and techniques, specifically twelve-tone, serialism, indeterminacy, process/algorithmic, proportional notation, minimalism, third-stream (jazz influence), rock influenced, and tonal/nonfunctional music writing.

MUC 416 - Composition Lessons 5, 3 credit hours

Prerequisite(s): MUC 317; Composition majors only or permission of instructor

Development of compositional skills through individualized study. Students focus on developing compositional craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media. May be repeated for credit.

MUC 417 - Composition Lessons 6, 3 credit hours

Prerequisite(s): MUC 317, MUC 416; Composition majors only or permission of instructor

Development of compositional skills through individualized study. Students focus on developing compositional craftsmanship, working with a variety of forms and contemporary techniques, and composing in a variety of styles for various performance media. May be repeated for credit.

MUC 418X - Senior Composition Recital, 1 credit hour

Prerequisite(s): Approval of department

A full length recital of original compositions representing the student's work throughout his or her undergraduate study. The program is to be chosen in consultation with the Instructor of Composition.

MUC 419X - Music Theory Practicum, 1 credit hour

Prerequisite(s): MUC 329 or consent of instructor

Practical application of music theory skills through observation of and participation in supervised professional experience such as, but not limited to, tutoring, course assisting, or research assisting.

MUC 421 - Thesis Research in Music History, 1 credit hour

In-depth analysis and supporting research of a major work, composer, or style period. Use of several analytical approaches expected. Requires completion of major paper in compliance with departmental requirements.

MUC 422 - Special Studies in Renaissance Music, 2 credit hours

Prerequisite(s): MUC 223I or consent of instructor

Topics to be selected.

MUC 423 - Special Studies in Baroque Music, 2 credit hours

Prerequisite(s): MUC 223I or consent of instructor

Topics to be selected.

MUC 424 - Special Studies in the Music Of J.S. Bach, 2 credit hours

Prerequisite(s): MUC 223I or consent of instructor

Divided into mini-mesters. First mini-mester includes study of works to be performed in the annual Bach Festival and may be repeated for credit. Second mini-mester undertakes a study of Bach and his world and may not be repeated for credit.

MUC 425 - Special Studies in 18th Century Classicism, 2 credit hours

Prerequisite(s): MUC 321I or consent of instructor

Topics to be selected.

MUC 426 - Special Studies in 19th Century Music, 2 credit hours

Prerequisite(s): MUC 3211 or consent of instructor

Topics to be selected.

MUC 427 - Special Studies in 20th Century Music, 2 credit hours

Prerequisite(s): MUC 3231 or consent of instructor

Topics to be selected.

MUC 429X - Music History Practicum, 1 credit hour

Prerequisite(s): MUC 329 or consent of instructor

Practical application of music history skills through observation of and participation in supervised professional experience such as, but not limited to, tutoring, course assisting, or research assisting.

MUC 445 - Music Theatre Workshop 7: Professional Aspects of Music Theatre/ Musical-in-concert, 1 credit hour

Prerequisite(s): MUC 346 or consent of instructor

Students rehearse and perform an in-concert Music Theatre piece, often with the composer in residence. Students rehearse and perform in a professional environment, developing sound, director-proof rehearsal and performance technique. Students assemble a professional-quality self-presentation package (headshots and resumes), and acquire strategies for interacting with agents and casting directors.

MUC 446 - Music Theatre Workshop 8: Showcase, 1 credit hour

Prerequisite(s): MUC 445 or consent of instructor

Students create, rehearse, and perform a professional Agent Showcase presented in New York City near the end of their final semester. Students learn strategies for optimizing agent interviews and handling themselves as professionals in a professional context.

MUC 447 - Voice Performance Workshop 7: Advanced Audition Preparation 1, 1 credit hour

Prerequisite(s): MUC 348 or consent of the Director of Opera Studies

Intensive dramatic, musical, stylistic, interpretive, and communicative preparation of audition repertoire. Course work will focus on students' studio teacher assigned repertoire and culminates in a final workshop performance.

MUC 448 - Voice Performance Workshop 8: Advanced Audition Preparation 2 with Final Project, 1 credit hour

Prerequisite(s): MUC 447 or consent of the Director of Opera Studies

Intensive dramatic, musical, stylistic, interpretive, and communicative preparation of audition repertoire. Course work will focus on students' studio teacher assigned repertoire and a special project determined by class enrollment. Students will also present on a particular acting method, system, teacher, or practitioner. Coursework culminates in a final workshop performance.

MUC 451 - Psychology of Music, 2 credit hours

Prerequisite(s): MUC 151 or consent of instructor

An overview of current research in music learning, music preference, acoustics, influence of music on listener behavior, and measurement of music achievement and performance.

MUC 452 - Research Seminar in Music Therapy, 2 credit hours

Prerequisite(s): MUC 451

Practical exposure to research methods. Independent research projects incorporating the most common methods of data analysis and test design required.

MUC 454 - Music Therapy Internship, 1 credit hour

Prerequisite(s): Senior Music Therapy majors only; successful completion of all coursework

Six months of full-time clinical experience in an AMTA-approved facility. Documentation and special research projects

included according to the clinical internship training plan. Must be completed within two years following conclusion of course work.

MUC 463 - Seminar, Variable credit

Specialized treatment of particular subjects.

MUC 492 - Conducting Seminar, 1 credit hour

Prerequisite(s): Consent of instructor

Advanced score study and discussion of technical and musical conducting issues and administrative responsibilities. Some large-ensemble conducting opportunities possible.

MUC 493 - Conducting Apprenticeship, 1 credit hour

Score preparation, rehearsal observation, and some large-ensemble conducting under the guidance of a master conductor.

Music in the Liberal Arts

MUL 111 - Music Fundamentals, 3 credit hours

A comprehensive study of the construction, spelling, recognition, and labeling of rhythms, meter signatures, pitches, intervals, triads, seventh chords, and major and minor key signatures and scales.

MUL 134 - Piano Class, 1 credit hour

Piano for non-music majors who have had little or no piano experience. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world.

MUL 135 - Voice Class, 1 credit hour

Introduction to the basic elements of singing, including physiological aspects of the singing process, diction principles based on the International Phonetic Alphabet, and expressive techniques. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world.

MUL 136 - Guitar Class, 1 credit hour

Instruction in playing primary chords in several keys, strumming patterns to accompany singing, and a repertoire of songs from the folk, popular, and patriotic literature. Use of bass guitar and amplification included. Prior experience in reading music helpful but not required. Use of personally owned instruments advised. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world.

MUL 137 - Intermediate Guitar Class, 1 credit hour

Prerequisite(s): MUL 136 or consent of instructor

Class instruction to further develop technique and broaden styles introduced in MUL 136. Barre chords, note reading, accompaniment of singing, playing by ear, transposition, and finger picking are among topics for study. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world.

MUL 138 - Intermediate Voice Class, 1 credit hour

Prerequisite(s): MUL 135 or consent of instructor

Class instruction to further develop technique introduced in MUL 135. Continued emphasis on development of individual singing skills. Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world.

MUL 139 - Intermediate Piano Class, 1 credit hour

Prerequisite(s): MUL 134 or consent of instructor

Class instruction to further the development of technical and musical skills introduced in MUL 134. Includes playing in major and minor keys, sight-reading, improvisation, harmonization, and appropriate technical studies and literature.

Core skills addressed include effective communication and knowledge of human behaviors, cultures and the natural world.

MUL 171I - The Art of Listening to Music, 2 credit hours

An introductory course designed for the non-music major, with the goal of becoming familiar with representative masterpieces of classical music. Core skills addressed include complex thinking skills and knowledge of human behaviors, cultures and the natural world.

MUL 172 - Music Appreciation, 3 credit hours

An introduction to music and its basic elements, focusing on the interaction of these elements in musical styles. Content includes a survey of historical periods with emphasis on stylistic characteristics to inform the knowledgeable listener.

MUL 178I - World Music, 3 credit hours

The study of the music of non-Western and Western cultures. Participants study the music of other peoples, thereby gaining an understanding of their culture, mores, and traditions. The different functions music serves in a society are also considered. Study includes music from people of Africa, Asia, Australia, Europe, North and South America, the Caribbean, and the Middle East. Students become acquainted with the music of these cultures through listening, reading and other outside assignments, class discussion, and concert attendance.

MUL 218 - Jazz Improvisation, 2 credit hours

Development of basic improvisational skills. Some performance background necessary.

MUL 224D - History of Jazz, 2 credit hours

A survey of jazz from its origins through Dixieland and Ragtime to the present.

MUL 226 - American Popular Music: 1865-1965, 3 credit hours

Examines the evolution of American popular music in its social, political, and cultural contexts from the Civil War to the Cultural Revolution of the 1960s. An exploration of the century during which distinctive American musical styles, functions, sounds, and identities were established will reveal way the music develops, assimilates, and changes within its social and political contexts. In addition, the consideration of cultural contexts, geographic perspectives, and racial issues offer paths toward insight into the character, influence, and purposes of music in America.

MUL 310 - Music Business, 3 credit hours

Prerequisite(s): AMG 102 or MUC 309

This course provides an overview of skills necessary for management roles in the music industry including: contracts, copyright, recording, concert production and promotion, music publishing, touring, and digital music.

MUL 315 - Electronic Music, 2 credit hours

Survey of the evolution of electro-mechanical means of creating music with a focus on contemporary technology. Topics include hardware, software, MIDI, sequencing, sampling, and multimedia applications.

Neuroscience

NRO 050 - Independent Study, Credit hours to be arranged

NRO 070 - Internship, Credit hours to be arranged

NRO 250 - Principles of Neuroscience, 3 credit hours

Prerequisite/Corequisite: C- or better in BIO 121 or instructor permission

An introduction to the study of the brain and behavior. The brain is the only organ that studies itself. In this course students will become familiar with recent advances in the growing field of Neuroscience as they consider how their

brains work and how the nervous system grows, perceives, controls the body, sleeps, ages and responds to damage and disease.

NRO 259 - Faculty-student Collaboration, Credit hours to be arranged

NRO 263 - Special Topics in Neuroscience, 3 credit hours

Prerequisite(s): Prerequisites dependent on topic

Seminars reflecting the depth and breadth of Neuroscience are offered periodically.

NRO 350 - Neuropharmacology, 3 credit hours

Prerequisite(s): PSY 250 /NRO 250

The nervous system uses a very precise system of neurochemical messengers to produce all aspects of sensation, perception, feelings, emotions, motivation, movement, and conscious experience. This course addresses the role of neurochemicals in normal brain functioning and also describe how drugs are used to treat neurological and psychological disorders. Drug abuse and toxicology are also discussed.

NRO 359 - Faculty-student Collaboration, Credit hours to be arranged

NRO 459 - Faculty-student Collaboration, Credit hours to be arranged

NRO 463 - Advanced Topics in Neuroscience, Credit hours to be arranged

Prerequisite(s): Prerequisites dependent on topic

Advanced seminars reflecting the depth and breadth of Neuroscience are offered periodically.

NRO 491 - Neuroscience Thesis, Credit hours to be arranged

Prerequisite(s): PSY 250 /NRO 250, permission of the thesis advisor and permission from the Chair of the Neuroscience Program.

This is the capstone research experience for the Neuroscience Major. Majors may select their thesis advisor from the faculty of the Biology, Chemistry or Psychology Departments. The topic of the thesis must be relevant to the study of the brain, peripheral nervous system, or the senses and must be approved by the Chair of the Neuroscience Program. It is expected that the Neuroscience Thesis will result in an archival scholarly paper and students will be encouraged to present their work at an appropriate forum (e.g., regional or national scientific meeting, Biology or Chemistry Seminars; BW Science Poster session). The Thesis will be defended before the Neuroscience Studies Committee and Neuroscience students. Passing of the oral defense is required for the awarding of the Neuroscience Major.

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Nursing

NUR 100 - Foundations of Professional Nursing Practice, 3 credit hours

The purpose of this course is to facilitate acquisition of the basic nursing skills of communication, safety, body mechanics, medical asepsis, comfort and hygiene, impaired mobility management, oral intake, elimination, specimen collection, and hot and cold therapy. Students are introduced to nursing skills and health assessment, as well as nursing roles and values.

NUR 101 - Foundations Practicum, 1 credit hour

This clinical experience provides beginning nursing students with an opportunity to apply their nursing skills in the clinical setting. Students will be placed in a number of agencies and will work with course faculty and clinical preceptors.

NUR 105 - Pathophysiological Concepts for Nursing Practice, 3 credit hours

Provides nursing students with a theoretic foundation of human anatomy and physiology and the phenomena that produce alterations or pathology in human physiologic function and an understanding of the basis of disease processes.

NUR 106 - Pharmacotherapeutic Concepts for Nursing Practice, 3 credit hours

Introduction to general principles of pharmacology. Major classes of pharmacotherapeutic agents, mechanisms of action, pharmacokinetics, dosage and administration; effects and nursing responsibilities.

NUR 110 - Concepts of Professional Nursing Practice I, 5 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106

This is a course involving concepts associated with an individual's physical health and illness requiring nursing care. Concept categories covered include health and health maintenance, regulation and homeostasis, activity, protection, comfort, social interactions, and emotions.

NUR 112 - Theoretical Foundations of Nursing Practice, 1 credit hour

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106

Examines selected theories in nursing and health. Approaches to the analysis, critique and utilization of theories in nursing practice and scholarship are emphasized. Students develop and apply a theory and analysis to an area of interest.

NUR 115 - Professional Nursing Clinic I, 2 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106

In this course students will apply concepts and skills in patient care settings. Students will be assigned both a clinical faculty and a RN preceptor. Clinical hours may include days, evenings, nights, weekends, and holidays. Transportation is the responsibility of the student.

NUR 118 - Foundations of Clinical Nutrition for Nursing Practice, 2 credit hours

The focus of this course is the promotion of comprehensive nutritional health in patient care by the professional nurse. Principles of normal nutrition at all stages of the life cycle are emphasized. Growth and development needs are incorporated into a consideration of nursing care associated with the maintenance and restoration on nutritional

health and prevention of nutritional deficit for a variety of diseases and medical conditions. Exploration is conducted in the social, religious, ethnic, and cultural factors which affect nutrition.

NUR 150 - Maternal/Child & Pediatric Concepts of Nursing Practice, 4 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 118

This course focuses on the care and experiences of the healthy child-bearing and child-rearing family as well as families with health alterations. Knowledge and skills essential for the provision of high quality, safe care of the pregnant patient, mother and baby in labor and delivery, and the post-partum patient, as well as infants, children and adolescents are taught. The course incorporates the concepts and exemplars relevant to the care of these populations and is consistent with current evidence-based practices of the specialty. Emphasis is on the role of the professional nurse in health promotion and maintenance and wellness/illness care of the childbearing and childrearing family.

NUR 155 - Professional Nursing Clinical- IB, 2 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 115, NUR 118

The beginning nursing student will integrate content from classroom learning activities and skills lab practice experiences to the clinical area. Care will be provided to assigned clients across the lifespan in a variety of settings. Students will be assigned patients in the clinical settings based on the concepts covered in the current or previous courses. Students will not be expected to provide nursing care for conditions which have not yet been covered in the coursework to that date.

NUR 210 - Concepts of Professional Nursing Practice II, 5 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 112, NUR 115

This is the 2nd of 4 courses involving concepts associated with an individual's physical health and illness that require nursing care. Concept categories include regulation and homeostasis, oxygenation/hemostasis, activity, social interactions, and cognition.

NUR 212 - Research and Evidence-based Practice in Nursing, 2 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 112, NUR 115

This course emphasizes the development of skills needed to critically read and evaluate research for its application to clinical practice. Emphasis is on the identification of clinical questions, critique of evidence, and application of finds to nursing practice. Writing Intensive.

NUR 215 - Professional Nursing Clinical II, 2 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 112, NUR 115

Students will apply their knowledge and skills under supervision within clinical settings that may include inpatient hospital units, outpatient clinics, home health agencies, and skilled care facilities. Clinical hours may include days, evenings, nights, weekends, and holidays. Transportation is the responsibility of the student.

NUR 310 - Concepts of Professional Nursing Practice III, 5 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 112, NUR 115, NUR 210, NUR 212, NUR 215

This course is the third of four courses involving concepts associated with an individual's physical health and illness that require nursing care. Concept categories include regulation and homeostasis, sexual reproductive, protection, comfort, sensory perceptual, coping-stress, and behavior.

NUR 312 - Leadership and Ethics in Professional Practice, 3 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 112, NUR 115, NUR 210, NUR 212, NUR 215

Addresses professional practice strategies including conflict management, decision making, interdisciplinary practice and working with teams. Legal principles of documentation. Application of standards of care to risk management and the organization of care delivery. Evaluation of health care systems, processes, and practice environments. Power, politics, and health policy; professional nursing roles in improving health systems. Standards of care and risk

management strategies. Principles of ethics and their application to professional nursing practice, health care, and issues of social justice will be explored. Writing intensive.

NUR 315 - Professional Nursing Clinical III, 2 credit hours

Prerequisite(s): NUR 100 NUR 101 NUR 105 NUR 106 NUR 110 NUR 112 NUR 115 NUR 210 NUR 212 NUR 215
Students will apply concepts and skills in their care of clients in various healthcare settings. Clinical hours may include days, evenings, nights, weekends and holidays. Transportation is the responsibility of the student.

NUR 410 - Concepts of Professional Nursing Practice IV, 5 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 112, NUR 115, NUR 210, NUR 212, NUR 215, NUR 310, NUR 312, NUR 315

This course is the final course involving concepts associated with an individual's physical health and illness that require nursing care. Concept categories include regulation and homeostasis, comfort, sensory perceptual, and coping-stress. This course is a synthesis of professional nursing and health and illness concepts. Clusters of concepts will be applied in simulation and other learning activities.

NUR 412 - Issues and Trends in Professional Nursing Practice, 3 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 112, NUR 115, NUR 210, NUR 212, NUR 215, NUR 310, NUR 312, NUR 315

Addresses professional practice strategies including conflict management, decision making, interdisciplinary practice and working with teams. Legal principles of documentation. Application of standards of care to risk management and the organization of care delivery.

NUR 415 - Professional Nursing Clinical IV, 2 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 110, NUR 112, NUR 115, NUR 210, NUR 212, NUR 215, NUR 310, NUR 312, NUR 315

Students will provide direct patient care to selected clients in various healthcare settings. Clinical hours may include days, evenings, nights, weekends, holidays. Transportation is the responsibility of the student.

NUR 450 - Professional Nursing Practicum, 3 credit hours

Prerequisite(s): NUR 100, NUR 101, NUR 105, NUR 106, NUR 210, NUR 212, NUR 215, NUR 310, NUR 312, NUR 315, NUR 410, NUR 412, NUR 415

In this capstone course students will have the responsibility for the planning, implementation, and evaluation of nursing care for a client group in a clinical setting. The student will synthesize, integrate, and apply knowledge, skills, and critical concepts from previous coursework throughout this real-world experience.

Philosophy

PHL 050(I) - Independent Study, 1-4 credit hours

See Independent Study Program

PHL 070 - Internship, 1-12 credit hours

PHL 101 - The Examined Life, 3 credit hours

An introduction to philosophical reflection and questioning through the examination of some of the central themes of philosophy.

PHL 102 - Introduction to Ethics, 3 credit hours

Classic Ethical theories such as virtue ethics, utilitarianism, and duty ethics are used to analyze current moral problems involving issues such as social justice, war, legal punishment, global issues, science and technology, and professional ethics.

PHL 103 - Philosophy and Human Nature, 3 credit hours

A study of theories of human nature and their capacities to improve the human condition. Among the questions this area of philosophy considers are: What is the essential nature of the human being? What should characterize human life? Is there anything more to human life than what we experience with our senses? Readings are drawn from various disciplines, cultures, and/or historical periods.

PHL 104 - Critical Thinking, 3 credit hours

A study of the basic skills of good reasoning needed for the intelligent and responsible use of reasoning in everyday life. Topics include identifying arguments and judging their validity and strength; identifying common fallacies of reasoning, use and abuse of language in persuasion, and principles of fair play in argumentation and debate.

PHL 201 - Logic, 3 credit hours

An introduction to the principles and methods of symbolic logic.

PHL 205(I) - Topics in Ethics, 3-4 credit hours

A detailed study of a selected topic in ethics, such as Development Ethics and International Justice, War and Terrorism, or Cross-cultural Moral Disagreement. Topics vary from semester to semester in accordance with current interests of students and faculty; therefore this course may be repeated for credit.

PHL 207(D) - Topics in Philosophy, 3-4 credit hours

An inquiry at the intermediate level into philosophical issues, problems, or applications, such as Feminist Theory, Asian Philosophy, or Philosophy of Sex and Love. Topics vary from semester to semester in accordance with current interests of students and faculty; therefore this course may be repeated for credit.

PHL 209 - Political and Social Philosophy, 3 credit hours

Critical evaluations of selected political and social concepts with historical and contemporary significance, including the state, law, government, power, political obligation, justice, rights, freedom, and equality. Extensive reading in original texts is required.

Semesters Offered: May be offered less frequently than once a year.

PHL 211 - Classical Philosophy, 4 credit hours

Whitehead has correctly observed that "Philosophy is but a footnote to Plato." Beginning with the Pre-Socratics and focusing on the great contributions of Socrates, Plato, and Aristotle, students will explore the Greek creation of philosophy as "the love of wisdom," and witness the birth of metaphysics, epistemology and ethics.

Semesters Offered: Offered biennially.

PHL 213 - Modern Philosophy, 3-4 credit hours

An exploration of the two great developments of modern philosophy: the rationalist system-builders who endeavored to place the categories of religious metaphysics on firm scientific foundations, and the empiricists who started the modern preoccupation with subjectivity and the limits of knowledge.

Semesters Offered: Offered biennially.

PHL 214 - Nineteenth-century Philosophy, 4 credit hours

An exploration of the great philosophies emerging from the rubble of the enlightenment edifice, with a focus on the human condition after the eclipse of system and sanity: Hegel, Kierkegaard, Marx, Dostoevsky, Nietzsche.

Semesters Offered: Offered biennially.

PHL 249 - Philosophy of the Arts, 3 credit hours

An examination of the problems that arise when we reflect upon the nature and basis of criticism of works of art.

Semesters Offered: May be offered less than once a year.

PHL 259 - Faculty-student Collaboration, Credit hours to be arranged

PHL 263(D) - Seminar, 3 or 4 credit hours

Varied topics of specialized interest.

Semesters Offered: Offered to advanced and qualified students.

PHL 270D - Philosophy and Gender, 3 credit hours

This course will explore contemporary feminist theory across a range of topics including oppression and resistance, sexualities, race and racism, feminist political and ethical theories, feminist epistemologies and ontologies. It is meant as a broad introduction to a number of key areas of feminist philosophy.

PHL 271D - Philosophy of Sexuality, 3-4 credit hours

This course introduces students to a range of issues related to sexuality, with a particular focus on the relevance of gender to sexuality in the West. We will investigate issues such as sexual orientation, transsexuality, marriage and fidelity, pornography and prostitution, and sexual violence. Warning: this course contains some graphic materials, students must be 18 years old.

PHL 272I - International Ethics, 3 credit hours

An exploration of the philosophical and ethical foundations of human rights with a view to the relevance of human rights to the just war tradition and modern security challenges, cultural disagreements, and global poverty. Students examine their own ethical obligations in connection to these international issues.

PHL 273I - Environmental Ethics, 3 credit hours

An exploration of the ethical issues associated with the impact of human activity on the environment, eco-systems, and biodiversity. Course addresses broad questions such as: how should we conceive our relationship to the natural environment? Does sustainability demand a new biocentric ethic? Do non-humans (e.g. other animals, natural objects) have rights? What responsibilities do we have to future generations? Students will also explore some specific issues (e.g. energy, food production), their personal obligation to sustainable living, and the local context.

PHL 274 - Bioethics, 3 credit hours

Students learn influential theories in philosophical ethics and study their application to a number of controversial ethical issues emerging from new situations and possibilities brought about by advances in biology and medicine. Students engage in interdisciplinary thinking by examining ethical questions that arise in the relationships among life sciences, biotechnology, medicine, politics, law, and philosophy. Specific ethical issues include debates over the boundaries of life, allocation of scarce health-care resources, cloning, and genetic engineering.

PHL 314 - Contemporary Philosophy, 3-4 credit hours

Prerequisite(s): One 100 or 200-level PHL course, or HUM 200, or consent of the instructor.

A detailed investigation of the works of a significant philosopher or movement of the twentieth and twenty-first centuries. Topics vary from semester to semester in accordance with current interests of students and faculty; therefore this course may be repeated for credit.

PHL 359 - Faculty-student Collaboration, Credit hours to be arranged

PHL 371 - Advanced Topics, 3-4 credit hours

Prerequisite(s): One 100 or 200-level PHL course, or HUM 200, or consent of the instructor.

A detailed study of a selected topic in philosophy. Student interest will help to determine what topics will be offered. May be repeated for credit, provided that the topic is different from any for which the student has already received credit. Topics to be announced.

Semesters Offered: May be offered less frequently than once a year.

PHL 372 - Great Philosophers, 3-4 credit hours

Prerequisite(s): One 100 or 200-level PHL course, or HUM 200, or consent of the instructor.

A detailed investigation of the works of a significant philosopher or philosophic tradition. Student interest will help to determine what topics will be offered. May be repeated for credit, provided the topic is different from any for which the student has already received credit. Topics to be announced.

Semesters Offered: May be offered less frequently than once a year.

PHL 459 - Faculty-student Collaboration, Credit hours to be arranged**PHL 464 - Senior Tutorial, 1-3 credit hours**

Prerequisite(s): Senior major status.

Under tutorial supervision, students are given extensive training in the analysis of a philosophical problem or system with a view to producing a senior thesis.

PHL 491 - Senior Thesis/Project, Credit hours to be arranged**PHL 492 - Senior Thesis/Project, Credit hours to be arranged**

Physician Assistant

PAS 503 - Evidence-Based Medicine, 2 credit hours

This course will cover an introduction to evidence-based medicine, an in depth look and review on various research methods which are used in clinical medicine and in health services research which gives students a framework on which to develop their practice of medicine. Students will apply what they have learned in this course and apply their knowledge to the culminating review paper at the end of the program.

PAS 507 - Leadership in Healthcare, 1 credit hour

The leadership course is one semester in length and will give students the foundation to become competent physician assistants and leaders in the field. The course content will give students the tools to become an effective leader in their practice while adhering to NCCPA guidelines as well as federal and state laws regarding physician assistant practice.

PAS 510 - Clinical Anatomy, 6 credit hours

This 14-week gross anatomy course is a detailed study of the structures of the human body, consisting of both lecture and laboratory sections. The lecture portion deals with descriptions and explanations of body structures, while in the laboratory, the student participates in the practical examination of prosected human cadavers and removed specimens, and the regional dissection of a human cadaver.

PAS 511 - Pathophysiologic Foundations of Medicine, 4 credit hours

Pathophysiologic Foundations of Medicine focuses on pathophysiology of various body systems with an introduction to clinical medicine. The core basic science areas which are included in the course are: physiology/ pathophysiology, genetics, microbiology, immunology, biochemistry, nutrition, and pathology. The design of the curriculum is such that students will continually learn and build on concepts from each course as well as learn by integrating concurrent coursework during the semester.

PAS 512 - History Taking and Medical Documentation, 3 credit hours

Beginning in the summer semester, PA students will learn fundamental patient communication skills and will be able to elicit an accurate and comprehensive history on patients from a variety of backgrounds. Students will learn how to communicate with different patient populations as well as learn subtleties in medical history taking. Students will learn how to effectively document in a medical record for adult and pediatric populations in the outpatient and inpatient settings. Patient centered interviewing skills and clinician centered interviewing techniques will be

incorporated throughout the course activities. Students will be evaluated based on standardized patient examinations, written examinations and oral presentations.

PAS 513 - Clinical Medicine I, 7 credit hours

Clinical Medicine is a 2 part course which spans the fall and spring semesters. Students will progress through the course learning a large variety of clinical conditions which affect each body system. Clinical medicine seminars are integrated throughout each course and are centered on problem-based learning techniques which will be used throughout the entire didactic phase of the program. Students will meet in small groups with a faculty facilitator and work through a case scenario from etiology/pathology of the disease to treatment and maintenance of the illness. Students will meet frequently throughout the semester and review topics which follow the lecture material sequence. By incorporating this educational activity, students will learn critical thinking and presentation skills as well as have an in depth clinical view of the disease process. Students will then be able to formulate a practice plan for each case and be able to rationalize their management strategies. The critical topics of discussion will emerge from the medical disciplines of: Dermatology, Hematology/ Oncology, Cardiology, Pulmonary, Endocrinology, Gastroenterology, Neurology, Orthopedics, Psychiatry, Nephrology, Urology, Geriatrics, Pediatrics, Obstetrics and Gynecology, and General Surgery.

This type of instruction enhances the student learning and promotes the knowledge and development of cooperative and self-directed learning skills, interpersonal skills, patient-care skills, and professional behavior.

PAS 514 - Physical Exam Techniques, 3 credit hours

During this course, students will learn the fundamentals of physical exam and be able to perform a more structured physical examination with the ability to link diagnostic testing to the exam findings as well as development of a differential diagnosis and treatment plan. During this course, students will be instructed through lecture and through the physical examination lab component. While in the lab, students will have hands on approach to specific physical exam techniques which are appropriate for each body system.

Emphasis will be placed on developing and demonstrating proficiency in performing an accurate physical examination on patients throughout the lifespan, age, ethnicity, and gender. Students will learn how to integrate historical information and examination methods in the assessment of patient problems. At the completion of this course, students will demonstrate the ability to perform a complete physical examination on any patient and document both normal and abnormal findings in the patient record. Patient centered communication skills will be incorporated throughout the course activities. Evaluation is performance based and includes standardized patient examination. Fund of knowledge will be evaluated through written examinations and case scenarios.

PAS 515 - Clinical Medicine II, 7 credit hours

Clinical Medicine is a 2 part course which spans the fall and spring semesters. Students will progress through the course learning a large variety of clinical conditions which affect each body system. Clinical medicine seminars are integrated throughout each course and are centered on problem-based learning techniques which will be used throughout the entire didactic phase of the program. Students will meet in small groups with a faculty facilitator and work through a case scenario from etiology/pathology of the disease to treatment and maintenance of the illness. Students will frequently meet throughout the semester and review topics which follow the lecture material sequence. By incorporating this educational activity, students will learn critical thinking and presentation skills as well as have an in depth clinical view of the disease process. Students will then be able to formulate a practice plan for each case and be able to rationalize their management strategies. The critical topics of discussion will emerge from the medical disciplines of: Dermatology, Hematology/ Oncology, Cardiology, Pulmonary, Endocrinology, Gastroenterology, Neurology, Orthopedics, Psychiatry, Nephrology, Urology, Geriatrics, Pediatrics, Obstetrics and Gynecology, and General Surgery.

This type of instruction enhances the student learning and promotes the knowledge and development of cooperative and self-directed learning skills, interpersonal skills, patient-care skills, and professional behavior.

PAS 516 - Procedural Skills and Special Populations, 3 credit hours

During this course, students will learn exam techniques for special populations (pediatrics & pregnancy) as well as lectures on various procedural skills which are essential to PA practice. Students will also rotate through the clinical skills/ simulation lab where they will learn invasive techniques such as IV access, central line placement, chest tube

placement, medication administration (IM, IV), basic suture technique, incision and drainage, lumbar puncture, identification and use of surgical instruments, donning surgical attire, and concepts of examining special populations. Also the concept of inter-professional education will be introduced through various lecture and lab based activities. Upon completion of this course, students will have working knowledge regarding common procedural skills to further enhance their clinical decision making. Fundamental procedural competencies relevant to PA practice will be emphasized in lecture and in the skills lab, while other specialized interventions will be introduced from a cognitive point of view.

PAS 521 - Laboratory and Diagnostic Testing I, 3 credit hours

This is a 2-part course which teaches PA students the fundamentals of diagnostic testing with application to clinical practice. The first course begins with basic and most common hematological and chemistry testing and then progresses on to microbiological testing and various imaging modalities (system based) as well as electrocardiography. The application of various tests and development of a differential diagnosis and diagnostic algorithms is discussed in detail.

PAS 522 - Laboratory and Diagnostic Testing II, 3 credit hours

This is a 2-part course which teaches PA students the fundamentals of diagnostic testing with application to clinical practice. The first course begins with basic and most common hematological and chemistry testing and then progresses on to microbiological testing and various imaging modalities (system based) as well as electrocardiography. The application of various tests and development of a differential diagnosis and diagnostic algorithms is discussed in detail.

PAS 523 - Psychiatry and Emergency Medicine, 5 credit hours

This course will provide an overview of potentially life-threatening illness and injury encountered in emergent situations or in the critically ill patient. In addition, this course will discuss the essentials of assessment and management for the initial evaluation, stabilization, assessment, management and treatment, patient education, disposition and follow-up of an acutely ill patient requiring expeditious medical, surgical, or psychiatric attention. Also, Instruction focused on the detection and application of preventive measures and treatment of health risk behaviors including stress, abuse and violence, substance abuse and psychological symptoms and syndromes through basic counseling, patient education and/or appropriate referrals that are sensitive to culture and ethnicity. Introduction to strategies to identify and ease patient reaction to illness and end of life issues and application of those strategies to overcome resistance, encourage therapeutic cooperation, and assist in changing patient risky behaviors. Cultural diversity and its relationship to health, disease, and death will be addressed. Other topics include sexuality and health.

PAS 531 - Pharmacology I, 4 credit hours

The 3-part pharmacology course educates students on the fundamentals of drug classifications, pharmacodynamics actions, and the rationale for therapeutic use of prescription and nonprescription medications. In addition, students will be able to describe the potential advantages and disadvantages of specific therapeutic regimens, universal indications and contraindications for usage, dosing schedules, and the relative cost of commonly prescribed medications. Common errors involving prescription writing will be discussed and practical exercises will require students to accurately write prescriptions and treatment orders.

This course will review the mechanism(s) of action, toxicities and interactions of some specific drugs and drug classes, as well as provide the students with an introduction to clinical therapeutics. Clinical therapeutics incorporates the physiologic basis and clinical characteristics of disease states relative to pharmacologic therapy. Disease states that will be targeted are: dermatology, hematology, endocrinology, HIV, hepatitis, pancreatitis, obstructive pulmonary disease and gastrointestinal.

PAS 532 - Pharmacology II, 4 credit hours

The 3-part pharmacology course educates students on the fundamentals of drug classifications, pharmacodynamics actions, and the rationale for therapeutic use of prescription and nonprescription medications. In addition, students will be able to describe the potential advantages and disadvantages of specific therapeutic regimens, universal indications and contraindications for usage, dosing schedules, and the relative cost of commonly prescribed

medications. Common errors involving prescription writing will be discussed and practical exercises will require students to accurately write prescriptions and treatment orders.

This course will review the mechanism(s) of action, toxicities and interactions of some specific drugs and drug classes, as well as provide the students with an introduction to clinical therapeutics. Clinical therapeutics incorporates the physiologic basis and clinical characteristics of disease states relative to pharmacologic therapy. Disease states that will be targeted are: dermatology, hematology, endocrinology, HIV, hepatitis, pancreatitis, obstructive pulmonary disease and gastrointestinal.

PAS 533 - Pharmacology III, 4 credit hours

The 3-part pharmacology course educates students on the fundamentals of drug classifications, pharmacodynamics actions, and the rationale for therapeutic use of prescription and nonprescription medications. In addition, students will be able to describe the potential advantages and disadvantages of specific therapeutic regimens, universal indications and contraindications for usage, dosing schedules, and the relative cost of commonly prescribed medications. Common errors involving prescription writing will be discussed and practical exercises will require students to accurately write prescriptions and treatment orders.

This course will review the mechanism(s) of action, toxicities and interactions of some specific drugs and drug classes, as well as provide the students with an introduction to clinical therapeutics. Clinical therapeutics incorporates the physiologic basis and clinical characteristics of disease states relative to pharmacologic therapy. Disease states that will be targeted are: dermatology, hematology, endocrinology, HIV, hepatitis, pancreatitis, obstructive pulmonary disease and gastrointestinal.

PAS 541 - Physician Assistant Profession, 1 credit hour

This course introduces the PA student to the physician assistant profession and discusses various practice related topics which are critical for the practice of medicine. The course will discuss professional practice issues such as: reimbursement, licensing, credentialing, patient safety, and risk management.

PAS 542 - Biomedical Ethics, 2 credit hours

This course will discuss various aspects of medical ethics and decision making and how these concepts relate to physician assistant practice. Students will research cases representing bioethical issues and apply the principles of ethics as appropriate to participating in student led discussions. The course will foster professional development and expose students presenting medical cases.

PAS 543 - Public Health and Policy Systems, 2 credit hours

This course will discuss health policy in the U.S as it pertains to physician assistant practice, health care reform, and public health policy and workforce. The students will gain an in depth view of physician assistant practice which will help prepare them for a career as a clinician and a leader in their field.

PAS 591 - Clinical Preparations, 4 total credit hours

This course is given in multiple modules over the course of the clinical year with the first installment just prior to starting clinical rotations. Students will be offered opportunities to enhance their clinical reasoning skills and will be able to practice various procedural techniques in the simulation lab. Students will refine their history taking and physical exam skills. During this time period, students will have a structured clinical examination (OSCE). Students will also be instructed on professional issues related to clinical rotations and practice. Students will have the opportunity to perfect their oral presentation skills. Perioperative patient care will also be discussed. The course will end with a Final OSCE and written summative exam.

PAS 600 - Masters Seminar, 2 credit hours

This is a 2-part course which allows students to formulate a research question by applying what was learned in the previous EBM course modules. In the first part of the course, the students will work with faculty advisors to refine their research question and begin a preliminary literature review. During the second part of the course, students will actively analyze the literature and formally write about a topic of interest based on the researched material. The goal of this exercise is for students to write a paper of publishable quality as well as incorporate their evidence based

knowledge into practice. Students will hand in the final paper prior to graduation, after the completion of all clinical rotations.

PAS 601 - Rotation #1, 3 credit hours

See PAS 601-611 description.

PAS 601-611 - Clinical Rotations, 3 credit hours each

Clinical Rotations include the following: Family Medicine, Surgery, Emergency Medicine, OB/GYN, Pediatrics, Psychiatry, Internal Medicine I, Internal Medicine II, Mandatory Elective Rotation I, Mandatory Elective Rotation II, Mandatory Elective Rotation III.

Family Medicine, 3 credit hours: A 4-week rotation in a family medicine environment to expose physician assistant students to primary care practice and to introduce the role of the physician assistant when working with the primary care physician. This rotation will encompass a total of 160 hours of total patient care time.

Surgery, 3 credit hours: A 4-week rotation in a general surgery environment to expose physician assistant students to general surgical principles, including pre-operative, intra-operative, and post-operative patient care and to introduce the role of the physician assistant when working with the general or sub-specialty surgeon. This rotation will encompass a total of 160 hours of total patient care time.

Emergency Medicine, 3 credit hours: A 4-week rotation in an emergency medicine facility to expose physician assistant students to emergency medicine/ acute care practice and to introduce the role of the physician assistant when working with the emergency physician. Learned skills will include those necessary for appropriate triage, stabilization, diagnosis and management of patients with traumatic injuries and illnesses as well as the management of less life-threatening problems that present to the emergency department. Physician Assistant students will develop skills in working with the prehospital emergency medical team and secondary referral systems. This rotation will encompass a total of 160 hours of total patient care time.

OB/GYN, 3 credit hours: A 4-week rotation in a women's health/OBGYN environment to expose physician assistant students to women's health with treatment of the prenatal and gynecology patient. This rotation will introduce the role of the physician assistant when working with the obstetrician/gynecologist. This rotation will encompass a total of 160 hours of total patient care time.

Pediatrics, 3 credit hours: A 4-week rotation in a pediatric medicine environment to expose physician assistant students to pediatric and adolescent medicine and to introduce the role of the physician assistant when working with the pediatrician. This will encompass well-child care, common pediatric illnesses and care of the newborn through adolescent populations. This rotation will encompass a total of 160 hours of total patient care time.

Psychiatry, 3 credit hours: A 4-week rotation in psychiatry will expose physician assistant students to psychiatric and behavioral medicine and to introduce the role of the physician assistant when working with the psychiatrist. This will encompass psychiatric evaluations and medication/clinical management of psychiatric patients. This rotation will encompass a total of 160 hours of total patient care time.

Internal Medicine I and II, 3 credits hours each: Both 4-week rotations in general internal medicine will expose physician assistant students to internal medicine and various related specialties. These rotations will allow the physician assistant student to work alongside an internist/hospitalist and gain valuable patient care experience. These rotations will encompass a total of 320 hours of total patient care time.

Mandatory Elective Rotation I, II and III, 3 credit hours each: Each 4-week rotation is chosen from all of the medical specialties and subspecialties. Each student will take three rotation electives during the clinical year.

PAS 602 - Rotation #2, 3 credit hours

See PAS 601-611 description.

PAS 603 - Rotation #3, 3 credit hours

See PAS 601-611 description.

PAS 604 - Rotation #4, 3 credit hours

See PAS 601-611 description.

PAS 605 - Rotation #5, 3 credit hours

See PAS 601-611 description.

PAS 606 - Rotation #6, 3 credit hours

See PAS 601-611 description.

PAS 607 - Rotation #7, 3 credit hours

See PAS 601-611 description.

PAS 608 - Rotation #8, 3 credit hours

See PAS 601-611 description.

PAS 609 - Rotation #9, 3 credit hours

See PAS 601-611 description.

PAS 610 - Rotation #10, 3 credit hours

See PAS 601-611 description.

PAS 611 - Rotation #11, 3 credit hours

See PAS 601-611 description.

Physics

PHY 050I - Independent Study, 1-6 credit hours

PHY 070 - Internship, Credit hours to be arranged

PHY 102 - Topics in Physics, 3 credit hours

Topics in Physics is a collection of introductory lecture courses in various areas and are primarily intended for students not majoring in science. All of the topics presuppose only a knowledge of high school mathematics and general science. All of the topics courses typically include the interdisciplinary links between the sciences, social sciences and humanities. PHY 102 may be repeated for credit if different topics are taken. The topics below are currently being offered on a regular basis.

- **Science Through the Ages**

A historical guide to science, scientists, which begins with the Greek roots of modern science and then traces in more detail the evolution of science during the past few centuries from an obscure esoteric activity to the professionalized, the industrialized, and democratic version of science we have today.

- **Physics of the 20th Century**

A survey of the important physics that came about over the last century. The class will examine the theoretical successes, such as quantum theory and relativity, as well as some of the important technological developments such as solid state electronics and lasers.

No lab.

PHY 103 - Sci & Hist on Development of Nuclear Weapons in WWII, 3 credit hours

This course contains two distinct halves. The first half covers humanity's search for the ultimate building blocks of the universe, in short, the story of the atom. The second half covers the development of the nuclear bomb during World War II and the associated physics. In other words, the first half of the course teaches the fundamental physics needed to understand the bomb and the second half covers its actual development from a more historical perspective. PHY-103 is intended for students not majoring in science and presupposes only a knowledge of high school mathematics and general science. Because of the nature of the subject material covered, the course is also recommended for interested physics majors on either an audit or credit basis.

PHY 104 - General Problem Solving Techniques, 3 credit hours

In his book, *The Road Ahead*, Bill Gates wrote, "More than ever, an education that emphasizes general problem solving skills will be important." The entire purpose of this course is to develop the students' general problem solving ability. Students will work both individually and in teams to solve some of the most fun and challenging problems concocted by the human brain. The topics from which the problems were chosen include; operations research, geometry, probability, risk management, physics, pattern recognition and logic. The only prerequisites for the course are a solid foundation in algebra and the desire for an intellectual challenge.

PHY 105 - Physics in Everyday Life, 4 credit hours

A lecture-laboratory course in which physics principles underlying many phenomena encountered in daily life are studied. The course assumes no prior background in mathematics or physics other than the normal University entrance requirements. Topics are studied through a combination of lectures, demonstrations, and laboratories, which include "envelope experiments" that can be completed at home.

Lab included.

Semesters Offered: Offered primarily for Evening/Weekend Students; day students only with special permission.

PHY 106 - Light, Color, Vision, 4 credit hours

A lecture-laboratory course investigating optical phenomena found in nature, photography, color vision and holography. The topics are studied in a way that is meaningful for those whose interests are in a variety of fields other than science: art, psychology, photography, etc. The course assumes no prior background in mathematics or physics other than the normal University entrance requirements. Emphasis is placed on the optical phenomena seen in everyday life. Light, color, and vision are studied through a combination of lectures, demonstrations, and laboratories, which include "envelope experiments" that can be completed at home.

Lab included.

Semesters Offered: Offered primarily for Evening/Weekend Students; day students only with special permission.

PHY 107 - Space From the Ground Up, 3 credit hours

A lecture-laboratory course intended to provide an insight into space propulsion, space power, space exploration, living in space, and future space ventures through the eyes of physicists, but in a way that would be meaningful for those whose interests are in a variety of other fields: art, psychology, photography, business, law, etc. The course assumes no prior background in mathematics or physics other than the normal University entrance requirements. Emphasis is placed on understanding the fundamental scientific principles and their application to space projects. Space related topics are studied through a combination of lectures, demonstrations and laboratories, which include "envelope experiments" which can be completed at home.

Lab included.

Semesters Offered: Offered primarily for Evening/Weekend Students; day students only with special permission.

PHY 110 - Physics of Music, 3 credit hours

Physics of oscillations and waves; acoustics of tubes, strings, vibrating bodies, and rooms; psychophysics or perception of sound; and, their application to musical sounds, musical instruments, musical performance, and musical cognition. Computer-based tools are used for recording, analysis and synthesis of musical sounds.

PHY 111 - Physics for Presidents, 3 credit hours

An online course that investigates the physical principles underlying critical issues in modern society. The nature of scientific inquiry and the goals and limitations of science are considered in light of the problems facing the world and their proposed technological solutions. Course involves considerable writing, and regular access to BlackBoard is required.

PHY 112 - Energy and the Future, 3 credit hours

Energy and The Future provides the technology foundation necessary for an understanding of issues and policies relating to energy sustainability. The course describes the various technologies behind energy production and the environmental, political, and social consequences of each. It explores historical and current usage trends with an emphasis on the implications of exploding energy requirements in the third world. It also engages issues such as economic, climatic, and national security implications of energy choices. In addition to lecture, the course requires students to research and present a relevant topic of their choice.

PHY 113 - Physics of Weather, 3 credit hours

An introduction survey course investigating the underlying physics of the Earth's climate. The course will investigate topics such as the short-term climate changes from the interaction of energy flow between the oceans, atmosphere, and land masses; solar radiation; weather fronts; cloud formation; condensation and precipitation; atmospheric electricity and lightning; and various storm phenomena.

PHY 131 - General Physics I, 4 credit hours

Prerequisite(s): The student is assumed to have had high school mathematics through algebra and pre-calculus.

Corequisite(s): High school physics and a familiarity with calculus are highly recommended or calculus can be taken concurrently. Except by permission of the instructor, PHY 151 is to be taken concurrently with PHY 131 and PHY 152 to be taken concurrently with PHY 132.

A two-semester sequence covering the standard physics topics expected for a major in physics, chemistry, pre-med, or pre-engineering. Concepts are presented primarily in lecture demonstration form, but in a sufficiently small class setting that allows for student questions. The course emphasizes qualitative and quantitative problem solving skills. PHY 131 emphasizes mechanics and heat while PHY 132 delves into electricity, magnetism, light, and optics. Students may not take both PHY 131 and PHY 145 or both PHY 132 and PHY 146 for credit.

PHY 132 - General Physics II, 4 credit hours

Prerequisite(s): The student is assumed to have had high school mathematics through algebra and pre-calculus.

Corequisite(s): High school physics and a familiarity with calculus are highly recommended or calculus can be taken concurrently. Except by permission of the instructor, PHY 151 is to be taken concurrently with PHY 131 and PHY 152 to be taken concurrently with PHY 132.

A two-semester sequence covering the standard physics topics expected for a major in physics, chemistry, pre-med, or pre-engineering. Concepts are presented primarily in lecture demonstration form, but in a sufficiently small class setting that allows for student questions. The course emphasizes qualitative and quantitative problem solving skills. PHY 131 emphasizes mechanics and heat while PHY 132 delves into electricity, magnetism, light, and optics. Students may not take both PHY 131 and PHY 145 or both PHY 132 and PHY 146 for credit.

PHY 145 - Applied College Physics I, 5 credit hours

Prerequisite(s): The student is assumed to have had high school mathematics through algebra and pre-calculus.

Corequisite(s): High school physics and a familiarity with calculus are highly recommended or calculus can be taken concurrently.

A two-semester sequence covering most of the standard introductory physics topics needed for a science major or for those needing a lab science. Applied College Physics is presented primarily in a laboratory setting. Rather than lectures and demonstrations, almost all concept development is achieved by hands-on activities and many mini-investigations with an emphasis on student inquiry, peer interaction, and small group activities. Applied College Physics' slower rate of concept development results in the coverage of somewhat fewer topics, but in more depth and with more applications than does General Physics. The first semester emphasizes mechanics and heat while the second semester explores electricity, magnetism, light, and optics. Students may not take both PHY 131 and 145 or

both PHY 132 and PHY 146 for credit. Applied College Physics students are expected to schedule an additional hour in the lab each week so that the actual in-class time is the same as the General Physics and Introductory Physics Lab combination.

PHY 146 - Applied College Physics II, 5 credit hours

Prerequisite(s): The student is assumed to have had high school mathematics through algebra and pre-calculus.

Corequisite(s): High school physics and a familiarity with calculus are highly recommended or calculus can be taken concurrently.

A two-semester sequence covering most of the standard introductory physics topics needed for a science major or for those needing a lab science. Applied College Physics is presented primarily in a laboratory setting. Rather than lectures and demonstrations, almost all concept development is achieved by hands-on activities and many mini-investigations with an emphasis on student inquiry, peer interaction, and small group activities. Applied College Physics' slower rate of concept development results in the coverage of somewhat fewer topics, but in more depth and with more applications than does General Physics. The first semester emphasizes mechanics and heat while the second semester explores electricity, magnetism, light, and optics. Students may not take both PHY 131 and PHY 145 or both PHY 132 and 146 for credit. Applied College Physics students are expected to schedule an additional hour in the lab each week so that the actual in-class time is the same as the General Physics and Introductory Physics Lab combination.

PHY 150 - Physical Science Investigations, 3 credit hours

Prerequisite(s): EDU 101X

This physics course is designed for teachers in the upper elementary and middle school to improve the learning and teaching of basic physics concepts, and is intended as a complement to CHM 150. Students will spend considerable time in the laboratory completing investigations that, in addition to exposing and clarifying basic physics concepts, can be used for effectively teaching students about physics. Ohio state science standards will be used as a guide for determining specific items of study. Topics covered include: sound, light and color, electricity, magnetism, properties of matter, the atom, force and motion, simple machines, force and fluids, and measurement.

PHY 151 - Introductory Physics Lab I, 1 credit hour

Corequisite(s): Except by permission of the instructor, PHY 151 is to be taken concurrently with PHY 131 and PHY 152 to be taken concurrently with PHY 132. Laboratory to accompany General Physics I and II (PHY 131, PHY 132). Experiments designed to investigate and reinforce the ideas and concepts developed in General Physics. Employing recent computer technology to gather and graphically analyze data, PHY 151 emphasizes experiments in mechanics (motion, force, energy, etc.) and heat (temperature, heat capacity, latent heat, etc.). PHY 152 first focuses on mechanical oscillations, static electricity, DC circuits, Ohm's law, frequency-dependent AC circuits, and magnetic effects. Students gain some experience with "bread-boarding" circuits, and the use of modern digital multi-meters and CRT oscilloscopes. The last part of PHY 152 concentrates on the basic properties of light with experiments in reflection, refraction, simple optical systems, and interference.

PHY 152 - Introductory Physics Lab II, 1 credit hour

Corequisite(s): Except by permission of the instructor, PHY 151 is to be taken concurrently with PHY 131 and PHY 152 to be taken concurrently with PHY 132. Laboratory to accompany General Physics I and II (PHY 131, PHY 132). Experiments designed to investigate and reinforce the ideas and concepts developed in General Physics. Employing recent computer technology to gather and graphically analyze data, PHY 151 emphasizes experiments in mechanics (motion, force, energy, etc.) and heat (temperature, heat capacity, latent heat, etc.). PHY 152 first focuses on mechanical oscillations, static electricity, DC circuits, Ohm's law, frequency-dependent AC circuits, and magnetic effects. Students gain some experience with "bread-boarding" circuits, and the use of modern digital multi-meters and CRT oscilloscopes. The last part of PHY 152 concentrates on the basic properties of light with experiments in reflection, refraction, simple optical systems, and interference.

PHY 200 - Science, 1-4 credit hours

A study of a topic in science which may involve an interdisciplinary approach. Course content is determined by the department under whose auspices the course is offered.

Semesters Offered: PHY 200 is not offered on a regular basis.

PHY 233 - Modern Physics, 4 credit hours

Prerequisite(s): The student is assumed to have taken General Physics, Applied College Physics, or the equivalent and to have completed or be taking introductory calculus.

A one-semester introduction to the developments in physics since about 1900. Topics such as special relativity, the Bohr atom, atomic and molecular physics, nuclear processes and the important experiments leading to the modern quantum theory are studied in detail. In addition to important course material, Modern Physics begins the development of the applied math skills needed by the professional scientist. PHY 233 is required for a physics minor, for all physics, pre-engineering majors, and some science teaching licensure. Modern Physics should be taken as soon as possible after completing General Physics or Applied College Physics

Semesters Offered: PHY 233 is normally offered every Fall semester.

PHY 259 - Faculty-student Collaboration, Credit hours to be arranged**PHY 260 - Engineering Materials, 2 credit hours**

Prerequisite(s): one year of introductory physics and chemistry or instructor's permission

A lecture course studying the most important materials of practical interest to engineers and manufacturers. Special consideration will be given to the different physical and chemical characteristics of and the means of manufacturing metallic, polymeric, ceramic, and composite materials. PHY 260 is taught as needed as a minimester and is especially recommended for students in the pre-engineering program.

PHY 261 - Introduction to Statics, 2 credit hours

Prerequisite(s): one year of introductory physics or instructor's permission

A lecture course concentrating on equilibrium forces and torques on extended bodies. Topics covered include stress, strain, elastic moduli, Poisson's ratio, compression, tension, sheer, bending, torsion, power, moments of inertia, bending moments, beam deflection and Mohr's circle. PHY 261 is taught as needed as a minimester and is especially recommended for students in the pre-engineering program.

PHY 263 - Seminar, 1-4 credit hours

Open to all students interested in physics. Reports and discussions of topics of interest in physics.

Semesters Offered: Not offered on a regular basis.

PHY 311 - Electronic Instrumentation, 3 credit hours

Prerequisite(s): PHY 131, PHY 132 or PHY 145, PHY 146, or instructor's permission

A lecture-laboratory course covering the basic principles of circuit design and analysis, use of standard modern instrumentation such as multi-meters, signal generators, and oscilloscopes. The analog part of the course moves from basic DC resistor circuits, to AC frequency filters, diodes, bipolar transistors, op-amps, and 555 oscillator circuits. The digital portion covers analog to digital conversion, boolean logic, and various digital gate and multiplexing circuits. If time permits, computer simulated analog and/or digital circuits may be studied. PHY 311 is required for all physics and pre-engineering majors, and some science teaching licensure.

Semesters Offered: PHY 311 is offered on an alternate year basis.

PHY 312 - Advanced Laboratory, 3 credit hours

Prerequisite(s): PHY 131 & PHY 132 or PHY 145 & PHY 146, or instructor's permission

A laboratory course in which independent experiments of advanced level in physics and engineering are designed, performed and analyzed by the student, acting in consultation with the instructor. Results are expected to be obtained with sufficient care and detail to make the results comparable to quality research results. Typically, an independently designed project with an oral and/or a poster presentation is expected. PHY 312 may be repeated if different experiments are carried out each time it is taken. The current advanced lab topics offered are:

Advanced Labs

- Optics and Holography: Review of lenses, mirrors, interference, diffraction, and their applications: Michelson and Mach-Zehnder interferometers, Reflection and transmission holography.
- Modern Physics: A lab designed primarily around the important physics experiments of the last century: e/m ratio of the electron, photo-electric effect, Franck-Hertz effect, gamma ray spectroscopy, Zeeman effect, scanning tunneling microscope, hydrogen/deuterium spectrum, semiconductors.
- Special Lab Topics: With prior permission of the instructor, experiments, projects, or research of particular interest to the student may be arranged.

PHY 313 - Computational Physics, 3 credit hours

Prerequisite(s): PHY 131 & PHY 132 or PHY 145 & PHY 146, or instructor's permission

A laboratory course helping students write their own programs to solve problems in physics by numerical methods. Results are expected to be obtained with sufficient care and detail to make the results comparable to quality research results. Typically, an independently designed project with an oral and/or a poster presentation is expected.

PHY 331 - Physical Mechanics I, 3 credit hours

Prerequisite(s): PHY 131, PHY 132 or PHY 145, PHY 146, one year of calculus, or instructor's permission

A one-semester course in classical mechanics as developed by Galileo, Kepler, Newton and their successors. The course includes a brief review of first year topics, but progresses quickly beyond the introductory level to include such topics as damped and driven oscillatory motion, velocity-dependent forces, non-cartesian coordinate systems, rigid body motion and two-body and central force motion, and, as time permits, Lagrangian mechanics.

Semesters Offered: PHY 331 is offered on an alternate year basis.

PHY 341 - Theoretical Physics, 3 credit hours

A one-semester lecture course which explores the principles and mathematical methods underlying a wide range of topics in physics. The course will focus on solving problems efficiently with the appropriate coordinates systems and mathematical techniques. Problems will be taken from various fields of physics, such as solid state physics, nuclear physics, thermodynamics, electrodynamics, statistical mechanics, and quantum mechanics. Mathematical techniques will include those which impact most directly on physics, typically including vector analysis, calculus of functions of several variables, functions of complex variables, Fourier series, and partial differential equations such as the wave and heat equations.

PHY 361 - Electromagnetism, 4 credit hours

Prerequisite(s): PHY 131, PHY 132 or PHY 145, PHY 146, one year of calculus, or instructor's permission

A study of electrostatics and magnetostatics. Includes topics dealing with the electric field and potential, dielectric materials, multipole expansions, the magnetic field, Laplace's equation, and Maxwell's equations as time permits.

PHY 362 - Physics of Waves, 3 credit hours

Prerequisite(s): PHY 131, PHY 132 or PHY 145, PHY 146, one year of calculus, or instructor's permission

Vibrations and waves are universal phenomena that affect objects and processes from ordinary scales down to subatomic particles and up to cosmic proportions. This course studies oscillations in mechanical and electromagnetic systems. Mathematics of complex numbers, differential equations, Fourier analysis, and linear algebra are introduced as needed. The Python programming language is used to solve appropriate problems.

PHY 371 - Thermal Physics, 4 credit hours

Prerequisite(s): PHY 131, PHY 132 or PHY 145, PHY 146, one year of calculus, or instructor's permission

A one-semester lecture course investigating the basic principles and ideas of thermodynamics and statistical mechanics including entropy, enthalpy, temperature, and the thermodynamic potentials. The course explores how traditional thermodynamics is best understood by looking at its underlying statistical roots as found in the Boltzmann and Gibbs distributions. If needed, the course may include a brief review of introductory topics. The course is then expected to quickly move on to the investigation of such advanced topics as the Maxwell relations, Bose and Fermi statistics, Debye and Einstein solids, and the Clausius-Clapeyron relation. Spreadsheets are used to solve appropriate problems.

PHY 372 - Quantum Physics, 3 credit hours

Prerequisite(s): PHY 131, PHY 132 or PHY 145, PHY 146, one year of calculus, or instructor's permission

An introduction to the basic concepts and applications of quantum mechanics. Includes solutions to the Schrodinger wave equation in 1 and 3 dimensions. Potential wells, scattering, the hydrogen atom and elements of perturbation theory are among the topics normally covered.

PHY 410 - Special Topics in Physics, 1-4 credit hours

Prerequisite(s): Consent of the instructor required for registration.

An in-depth study of selected areas of physics not normally covered in the courses offered by the department and which may be associated with the department's general education courses.

Semesters Offered: Offered only if there is sufficient demand.

PHY 459 - Faculty-student Collaboration, Credit hours to be arranged**PHY 491 - Departmental Thesis/Project, Credit hours to be arranged****PHY 492 - Departmental Thesis/Project, Credit hours to be arranged**

Political Science

POL 050(I) - Independent Study, 1-4 credit hours

See Independent Study Program.

POL 070 - Internship, Credit hours to be arranged**POL 101D - U.S. Government and Politics, 4 credit hours**

This course introduces students to U.S. national government and politics, with special attention to the impact of diversity on the ongoing struggle for democracy.

POL 102(I) - Concentration in Politics, 1-3 credit hours

A concentrated study of a particular aspect of politics, a particular ideology or issue, or a particular individual or group which has significance politically. The specific topic to be studied will be announced each semester in the course schedule by the professor teaching the section. Students may repeat the course and register for as many sections of POL 102(I) as they wish, as long as they do not repeat the same topic.

POL 131 - Democracy and Citizenship, 4 credit hours

This course introduces students to the theory and practice of active citizenship in a democracy.

POL 150I - Humans & The Earth: Can We Coexist?, 3 credit hours

This team taught course examines global environmental issues, such as climate, energy, development, biodiversity, and population from interdisciplinary perspectives. These perspectives will vary depending upon the academic disciplines of the three faculty members who instruct the course. Students in the old core will satisfy three core credits, either in the sciences (BIO 150I), the social sciences (ECN 150I/POL 150I), or the humanities (HUM 150I) and an International course requirement. Offered as SUS 150I, BIO 150I, HUM 150I, ECN 150I, and POL 150I in the new core, the the course satisfies the Interdisciplinary requirement and is counted towards the International requirement. Humans and the Earth is also a required course for the Sustainability Program major and minor. It may be counted towards the requirements of the Sustainability Program Certificate.

POL 202 - Major Policy Issues, 1-3 credit hours

Notes: Recommended background: POL 101D

An introduction to the study of major policy issues facing the American system today. The issues examined include such matters as energy and the environment, national defense, elections, agricultural subsidies, health care, civil rights, budget deficits, affirmative action, and other matters of national concern.

POL 205 - Environmental Politics, 3 credit hours

An examination of the problems, options and issues generated by governmental efforts to address challenges to a safe environment. The course includes case studies drawn from both American and international experiences.

POL 207 - Introduction to Law, 3 credit hours

This course represents a basic introduction to the American legal system. Particular emphasis is placed on identifying the various types of law and the types of conflicts they are intended to resolve. Students are introduced to the analysis of court decisions as a means to understanding some of the processes of legal reasoning. The course examines the law and the legal system from the perspective of the social sciences.

Crosslisted: CRJ 207

POL 208 - Special Legal Studies, 1-3 credit hours

This course is periodically offered to provide an intensive examination of some area of the law which has particularly contemporary interest. Regular offerings include: women and law, consumer law, and the like, with credit hours appropriate to the volume of work.

POL 211I - International Politics, 4 credit hours

Notes: Required for all majors

A study of the major concepts in international politics and their application to the events of the postwar world, particularly the Cold War and its aftermath, the North-South split and increasing interdependence. Emphasis is on the forces which motivate states to act and the possibilities for increasing conflict or cooperation. Attention is also given to the United Nations and to various regional organizations like the European Union.

POL 215I - United Nations, 2 credit hours

A study of the growth, activities and processes of political influence in the United Nations and its relation to the larger international political setting within which they function. This course or POL 315I is required for participants in the BW Model UN Team.

POL 216IX - International Organizations: Case Studies, 1-3 credit hours

Prerequisite(s): POL 215I or POL 315I

An illustration of the factors determining the behavior or potential behavior of individual nations at the United Nations. This course serves as specific preparation for Model United Nations team participants. May be repeated if countries differ.

POL 221I - Intro to Comparative Politics, 4 credit hours

Notes: Required for all majors

A comparative examination of selected government systems illustrating the variety of political systems in the world today.

POL 240 - Introduction to Political Analysis, 4 credit hours

Notes: Required for all majors

A study of political science methods of research and analysis with an emphasis on how those techniques can be applied to contemporary political issues. The course investigates the ways political scientists understand the political environment.

POL 250 - Government & Politics in Latin America, 3 credit hours

This course is an introduction to the study of Latin America's political development, its historical background and contemporary problems. This course counts toward the Latin American Studies Minor.

POL 259 - Faculty-student Collaboration, Credit hours to be arranged

POL 263(I, D) - Seminar in Political Science, 1-3 credit hours

An examination of selected topics in the field of political science. May be repeated for credit, depending on the topic of the specific seminar.

POL 301 - Congress, The Presidency, and Elections, 3 credit hours

Notes: Recommended background: POL 101D

This course is an in-depth exploration of Congress, the presidency, and how the people who hold those offices are elected. The primary theme of this course is: politics is math. If you really want to understand anything that happens in Washington, you need to know how to count, or hire someone who can. Many people argue that Washington is "broken." Are we really facing a crisis in our national political institutions? This course fulfills the Writing Extension requirement for the Core.

POL 303 - Public Policy and Administration, 3 credit hours

Notes: Recommended background: POL 101D

An exploration of the processes by which public policy develops and how public agencies function. Students learn about organizational behavior and fiscal and personnel management through study of a broad range of policy areas, including law enforcement, national security, healthcare, education, and sustainability.

Semesters Offered: Offered in alternate years.

POL 304D - Urban Policy and Politics, 3 credit hours

Notes: Recommended background: POL 101D

An examination of the policy problems facing American cities and suburbs, and the politics involved in addressing these issues. Attention is given to metropolitan problems as well as the relationships among governments at the local level and those at the state and national levels in the United States.

POL 305D - Women, Politics, and the Media, 3 credit hours

Notes: Recommended background: POL 101D

Students will explore the history of women in politics and the impact of gender on campaigns and elections, laws, and public policy. Particular attention will be given to the role of women in the media, both as journalists and as the subject of media coverage.

POL 307 - American Constitutional Law, 3 credit hours

Notes: Recommended background: POL 101D or American history

An extensive survey of the development of the American Constitution from 1789 to the present. The course is built around discussions of landmark Supreme Court decisions. The separation of powers, the Presidency, the federal system, the commerce power and judicial review are among the topics covered. The course is especially recommended for students preparing for law school or work in the criminal justice system.

Semesters Offered: Offered in alternate years.

POL 308D - Civil Rights and Liberties, 3 credit hours

Notes: Recommended background: POL 101D or American history

A study of the development in American Constitutional Law of the concept of civil liberty, including free speech and religion, free assembly, free press and equal protection of the laws. The course is especially recommended for students preparing for law school or work in the criminal justice system.

Semesters Offered: Offered in alternate years.

POL 309 - Criminal Law and the Constitution, 3 credit hours

Notes: Recommended background: POL 101D or American history

An overview of modern criminal law, both substantive and procedural. Includes such topics as crimes against the person and property. Also includes constitutional law decisions on criminal law in the US: exclusionary rules, right to counsel, fair trial procedures and capital punishment are among the topics discussed. Recommended for Criminal Justice majors and Pre-law students.

POL 310 - U.S. Political Economy, 3 credit hours

This course addresses issues and debates in political economy in the context of U.S. public policy including, for example, inequality, welfare, markets, (un)employment, and monetary and fiscal policy.

POL 311I - American Foreign Policy, 3 credit hours

Notes: Recommended background: POL 101D or POL 211I

A study of the formulation and execution of foreign policy in the United States, together with an examination of the substantive issues of American foreign policy since World War II with an emphasis on the examination of current foreign policy issues in the post-Cold War world.

Semesters Offered: Offered in alternate years.

POL 314I - Comparative Foreign Relations, 3 credit hours

Notes: Recommended background: POL 211I

A study of foreign policies of various states with an emphasis on those of the major foreign powers. The course examines both the substance of policy and the process of policy formulation. Consult Course Schedule for specific countries.

Semesters Offered: Offered alternate years.

POL 315I - International Organization, 3 credit hours

The course will include the study of the United Nations as described in POL 215I and add indepth study and research of additional international organizations. This course or POL 215I is required for participation in BW Model UN Team.

POL 321I - Democracy and Democratization, 3 credit hours

Notes: Recommended background: POL 221I

Prerequisite(s): sophomore, junior or senior standing.

The course focuses on the recent global spread of democratization. Through analysis of literatures of democratic theories, the course will explore the experiences of new democracies, their transition from authoritarian regimes, the variegated problems they face and possible solutions.

POL 322I - Russia and the Former Soviet Republics, 3 credit hours

Notes: Recommended background: POL 221I

Prerequisite(s): sophomore, junior or senior standing.

An examination of post-communist Russia and other selected systems of Eastern Europe and the former Soviet Union.

Semesters Offered: Offered in alternate years.

POL 326I - Special Comparative Political Studies, 2-3 credit hours

An examination of selected topics in comparative studies, including political systems such as democracy; political processes and political problems (like political development, revolution, etc.), and/or policy studies (like energy policy in industrial states, population policies, etc.). The course may be repeated when different subject areas are covered. Consult the Course Schedule for applicable information.

Semesters Offered: Not offered every year.

POL 327I - Political Change in Asia, 3 credit hours

The course examines the past, present and future of East Asia in terms of the concept of political, economic, social and cultural change. Focusing on Japan, China (mainland), Taiwan, Hong Kong, and Korea (North and South), the course explores the following themes: the rise of nationalism and communism, the different paths to political modernization and economic development selected by the different countries, and the question of Korean reunification as well as issues in the China-Taiwan relationship.

Semesters Offered: Offered in alternate years.

POL 329I - Government and Politics in Sub-Saharan Africa, 3 credit hours

Examination of political change in Africa south of the Sahara, with special reference to nationalism, nation-building, leadership and problems of development.

Semesters Offered: Offered at least once every third year.

POL 330 - History of Political Philosophy I: Ancient and Medieval, 3 credit hours

Notes: Recommended background: POL 131 and/or PHL 101(I)

Students examine the ideas of selected political philosophers from ancient Greece to the 16th century. A special effort is made to connect political ideas to concrete historical and cultural developments; to understand ideas as perspectives originating from, and representing, relative vantage points of power and interest; to understand how political philosophy is gendered; and to use political ideas to help understand contemporary issues.

Semesters Offered: Offered in alternate years.

POL 331 - History of Political Philosophy II: Early Modern and Modern, 3 credit hours

Notes: Recommended background: POL 131 and/or PHL 101

Students examine the ideas of selected political philosophers from the 16th century to the present. A special effort is made to connect political ideas to concrete historical and cultural developments; to understand ideas as perspectives originating from, and representing, relative vantage points of power and interest; to understand how political philosophy is gendered; and to use political ideas to help understand contemporary issues.

Semesters Offered: Offered in alternate years.

POL 332 - American Political Thought, 3 credit hours

Notes: Recommended background: POL 131 and/or PHL 101

Students survey the history of U.S. political thought since the early 17th century as a way of helping understand U.S. political history into the present.

Semesters Offered: Offered in alternate years.

POL 333D - Contemporary Political Voices at the Margins, 3 credit hours

Notes: Recommended background: POL 131 and/or PHL 101

An examination of the political thought of selected contemporary thinkers who occupy the margins of American political and intellectual life. The course emphasizes diverse political thinkers whose ideas lie outside the dominant political culture.

Semesters Offered: Offered in alternate years.

POL 339 - Special Topics in Political Theory, 3 credit hours

Notes: Recommended background: POL 131 and/or PHL 101(I)

An intensive examination of special topics in political philosophy. Subjects vary, and may address central political concepts such as justice, freedom, democracy, and the political thought of selected thinkers. Course can be repeated if subjects differ.

POL 341 - Public and Nonprofit Finance and Budgeting, 3 credit hours

Government agencies and nonprofit organizations are challenged to meet rising needs for services with more limited financial resources. This course will provide students with a foundation of knowledge about the structures of public and philanthropic finance, and what tools and strategies are used by government agencies and nonprofit

organizations at the local, state, and national levels to maintain adequate funding and sustainable organization budgets.

POL 359 - Faculty-student Collaboration, Credit hours to be arranged

POL 363(I) - Seminar in Political Science, 2-3 credit hours

A junior-level seminar dealing with topics in a seminar format that are not covered elsewhere in the offerings.

Semesters Offered: Not offered every year.

POL 390 - Preparing for Post-BW, 1 credit hour

Prerequisite(s): Junior or Senior Status Political Science Majors only.

This one credit workshop will help students analyze their academic and co-curricular experiences in ways that help them develop post-graduation plans for graduate school, law school, or employment. Students who are political science majors are required to take this course when they are juniors or seniors, but are strongly encouraged to take this during the fall of their junior year.

POL 441X - Public Interest Research, 4 credit hours

Students in this course learn social science research methods by applying them on behalf of community organizations. Students conduct research that helps policy makers, community activists, leaders and citizens find solutions to current social and political problems and improve the lives of area residents. This course may substitute for POL 240.

POL 459 - Faculty-student Collaboration, Credit hours to be arranged

POL 463(I) - Seminar in Political Science, 2-3 credit hours

An intensive, senior-level examination of selected topics in the field of political science.

Semesters Offered: Not offered every year.

POL 464 - Public Service Leadership Capstone, 3 Credit Hours

Prerequisite(s): POL 101D, POL 310, ECN 201, and POL 303 or POL 341

One of the following statistics courses: MTH 105, ECN 279, PSY 278

One of the following research courses: POL 240, POL 441X, PSY 280, SOC 280

Corequisite(s): POL 470. It is preferable for students to complete the internship prior to the capstone course.

However, if scheduling requires, students may take the internship during the same semester as POL 464.

Students will engage in an in-depth study of a policy problem faced by a public agency or nonprofit organization. The study will be one of two types: a series of problem-based case studies to be completed by students in groups, or a policy problem posed by a public agency or nonprofit organization that will partner with the class to engage in development of a detailed analysis and set of recommendations. Students will use analytical, research, and writing skills developed in the Public Service Leadership major as well as their experience in the internship to address the problems presented in the course. Career and graduate school planning and discussion will also be included in the class.

POL 470 - Internship, Credit hours to be arranged

POL 491 - Departmental Thesis/project, Credit hours to be arranged

POL 492 - Departmental Thesis/project, Credit hours to be arranged

Psychology

PSY 050(I) - Independent Study, Credit hours to be arranged

See Independent Study Program.

PSY 070 - Internship, Credit hours to be arranged

PSY 100 - Principles of Psychological Science, 3 credit hours

Notes: This course may be taken to partially satisfy the core curriculum requirement in the social sciences.

An introduction to the scientific study of behavior. Topics surveyed will include the study of brain-behavior relationships, sensation and perception, learning, memory and thinking, social and personality psychology, lifespan development, psychological disorders and psychotherapy. Additionally, this course will enhance critical thinking skills by acquainting students with fundamental research techniques and with the interpretation and evaluation of research findings.

PSY 150 - Professional Identity for the Psychology Major, 2 credit hours

Prerequisite(s): PSY 100. Must be Psychology major or minor to enroll.

This course provides students with an overview of contemporary career opportunities in psychology. Information is presented regarding what psychology majors can do with their degree. In addition, the course will cover the preparation required to work in various settings or pursue graduate study in psychology or related fields. Service-learning activities supplement the professional development of students enrolled in this course.

PSY 151 - Skills in Psychology, 3 credit hours

Prerequisite(s): PSY 100. Must be Psychology major or minor to enroll.

This course is designed to provide students with the foundational skills and knowledge necessary for successful completion of the psychology major. The content of this course will build upon the knowledge acquired in Principles of Psychology. The fundamental skills covered in this course include scientific literacy, critical thinking, and familiarity with written and oral presentation techniques used in the field of psychology.

PSY 205 - Developmental Psychology, 3 credit hours

Prerequisite(s): PSY 100.

This course may be taken to partially satisfy the core curriculum requirement in the social sciences. A course designed to help the student gain knowledge of the sequence of human development from conception and birth through infancy, childhood, adolescence, adulthood and aging. The impact of biological and interpersonal factors in the growth and maturation of the individual is considered.

PSY 215D - Psychology of Women, 4 credit hours

Prerequisite(s): PSY 100.

This major purpose of this course is the examination of the gendered experience of being female in a world that socially constructs gender. Topics include sex roles, violence against women, body image, work, parenting and development. Special attention is paid to the intersections of gender and other identities such as race, class, sexual orientation, and size, and how these experiences relate to the physical and mental health of women. Students of all genders and class levels are welcome.

PSY 220SX - Child Maltreatment, 4 credit hours

Prerequisite(s): PSY 100 and Sophomore Standing

Every 10 seconds in the U.S., a child is abused or neglected. Why does this happen? What are the short and long-term consequences? How do we help survivors of abuse? This course explores the answers to these questions and more. The course includes a service learning component.

PSY 235 - Adult Development and Aging, 4 credit hours

Prerequisite(s): PSY 100

A study of biological, cognitive, sociocultural and interpersonal changes that occur between young adulthood and old age. This course is designed for students from many disciplines concerned with applied problems associated with the aging process. Intellectual functioning, health issues, vocational development, parenting and family issues, personality development, clinical problems and ecological factors are some of the specific topics covered.

PSY 245D - Multicultural Psychology, 3-4 credit hours

Multicultural psychology is the study of race and ethnic diversity and its impact on the field of psychology. This course will address the issue of multiculturalism as it relates to the history of psychology, research, testing and counseling specific to racial and ethnic groups in America. Students will gain an understanding of the role of culture on society as well as the therapeutic process.

PSY 259 - Faculty-student Collaboration, Credit hours to be arranged

PSY 263 - Special Topics Seminars, 1-4 credit hours

Prerequisite(s): Prerequisites dependent on topic

Seminars reflecting the depth & breadth of Psychology are offered periodically.

PSY 273 - Introduction to Clinical Experience, 2 credit hours

Prerequisite(s): PSY 100

This course is intended for freshman and sophomore level students who are interest in pursuing an applied experience in psychology. Students are assigned to a clinical or work setting for an experiential learning opportunity. Student work under the supervision of the personnel of the institution in which they are placed, as well as indirectly under the supervision of the faculty member teaching the course. Progress is assessed by the consultation between students, the institutional supervisor and the faculty supervisor.

PSY 278 - Elements of Statistics, 4 credit hours

Prerequisite(s): PSY 100 Sociology majors who have taken SOC 100D may also be admitted to this course. This course will not count toward satisfying the social sciences portion of the core curriculum requirement of the University.

This course is designed for behavioral science students and covers such topics as measures of central tendency, variability, tests of significance, confidence intervals, regression analysis and correlation. In addition, the students will receive an introduction to computer data analysis and advanced inferential techniques.

PSY 279 - Laboratory in Statistical Methods, 2 credit hours

Prerequisite(s): PSY 278. Must be Psychology major or minor to enroll.

Corequisite(s): or concurrent with PSY 278

This course will introduce students to PASW, a statistical software package commonly used by psychologists. Students will learn techniques important to data analysis including data entry and transformation, descriptive and inferential statistics, interpretation of results, graphical presentation of data and APA style reporting conventions.

PSY 280 - Research Methods, 3 credit hours

Prerequisite(s): PSY 100 and PSY 278.

This course provides an overview of research techniques and design considerations that are central to a variety of sub-disciplines within psychology (e.g., cognitive, physiological, sensation and perception, developmental, clinical, learning, social, industrial/organizational, etc.). Students are also familiarized with ethical issues involved in conducting psychological research. Students develop a proposal for a study of their own design.

PSY 281X - Thesis in Psychology, 3 credit hours

Prerequisite(s): PSY 151, PSY 278 and PSY 280. Grade of C or higher PSY 280 required.

This course entails conducting the research project that was designed in PSY 280. The student research is facilitated by discussions in class and through individual instruction each week. The student will gain hands-on research experience, analytical skills, scientific writing abilities and oral presentation skills. A grade of "C" or higher in PSY 280 is required to enroll in this course.

PSY 301 - Psychological Testing, 4 credit hours

Prerequisite(s): PSY 278 or consent of the instructor A study of the field of psychological testing and assessment.

The course will focus on issues of reliability, validity, and psychometrics. Special attention will be given to the areas of intelligence, aptitude, educational, and personality testing. Ethical, legal, and judgmental issues in psychological assessment in clinical, industrial, and educational settings will be explored.

PSY 302 - Abnormal Psychology, 4 credit hours**Prerequisite(s):** PSY 100

A survey of the phenomena of psychopathology, including historical background, symptomatology, incidence, course and etiology of a wide array of pathologies including, to name a few, stress-related disorders, mood disorders, anxiety disorders, dissociative disorders, personality disorders and the schizophrenias. A brief review of treatment will also be presented.

PSY 303 - Physiological Psychology, 4 credit hours**Prerequisite(s):** 40 credit hours, including PSY 100

This lecture-laboratory course provides an overview of the physiological bases of behavior, cognition, motivation, emotion, learning and memory. Emphasis is placed on the mechanisms of brain and endocrine system functioning.

PSY 304 - Personality Psychology, 4 credit hours**Prerequisite(s):** PSY 100.

This course may be taken to partially satisfy the core curriculum requirement in the social sciences. An introduction to the general subject of personality. Emphasis is on the determinants of a healthy personality in such areas as emotions, self-concept and interpersonal relations. The course consists of a review of major theories of personality and an introduction to research methods and testing.

PSY 312D - Counseling Psychology, 4 credit hours**Prerequisite(s):** PSY 100. PSY 304 is recommended.

This seminar is designed to expose students to the various counseling theories, techniques, specialties, as well as assessment and ethical issues. Students will learn and implement beginning counseling techniques. Students acquire knowledge and engage in the counseling psychology supervision process.

PSY 315 - Child Development, 4 credit hours**Prerequisite(s):** PSY 100 and PSY 205 or EDU 203 or EDU 205

The span of life from birth until puberty is examined with a focus on the following areas of development: genetics, prenatal, physical, perceptual, cognitive, language, emotional, social, self-concept, gender, and moral development. Also addressed will be the influence of various contexts including the family, peers, school, and society.

PSY 316D - Child Psychopathology, 3 credit hours**Prerequisite(s):** PSY 205, or PSY 315, or consent of the instructor

A study of the specific psychological disorders exhibited during childhood. Emphasis is placed on childhood disorders as normal development gone awry. Symptomatology, course, etiology and treatment will be examined for emotional and behavioral disturbances in children and adolescents.

PSY 320 - Industrial/Organizational Psychology, 4 credit hours**Prerequisite(s):** PSY 100.

A study of psychological research and theory as applied to work settings. The course will emphasize industrial issues such as job analysis, job evaluation, validation, and performance appraisal and organizational issues such as corporate culture, downsizing, organizational justice, stress, leadership and motivation. Job design and ergonomics issues will also be reviewed. The course will also examine the legal and ethical context of the practice of industrial/organizational psychology.

PSY 321 - Human Relations and Group Dynamics, 3 credit hours**Prerequisite(s):** PSY 100.

This course may be taken to partially satisfy the core curriculum requirement in the social sciences. A course designed to examine interpersonal relationships in small and large groups. Current theory and research is presented, along with experiential exercises. A major focus is on leadership skills and group development.

PSY 325 - Adolescent Development, 4 credit hours

Prerequisite(s): PSY 100, and PSY 205 or EDU 206.

The span of life between puberty and young adulthood is examined with special attention given to such factors as previous developmental experience, cultural variables, physiological changes, cognitive development, identity formation, interpersonal relations, delinquency, substance abuse, and adolescent psychopathologies.

PSY 326 - Applied Behavior Analysis, 3 credit hours

Prerequisite(s): PSY 100 or consent of instructor.

This course covers the various methodologies used by behavior analysts to change maladaptive behaviors. Students will design and carry out a project to change some behavior(s) of their own choosing.

PSY 327 - Psychology of Learning, 4 credit hours

Prerequisite(s): 40 credit hours, including PSY 100

A study of the historical development of theories of learning, with a focus on experimental technique and results. The course emphasizes three areas: innate behaviors, classical conditioning, and operant conditioning. A lab component exposes the student to all three areas.

PSY 328 - Cognitive Processes, 4 credit hours

Prerequisite(s): 40 credit hours, including PSY 100

A study of the processes by which people receive, transform and store incoming information and retrieve stored information. Specific topics examined include perception, concept formation, levels of memory processing, the relation of cognitive and language processes, models of semantic organization and artificial intelligence.

PSY 329 - Sensation and Perception, 4 credit hours

Prerequisite(s): 40 credit hours, including PSY 100

This course provides an introduction to the study of the principles of sensation and perception. Emphasis is placed on understanding how individuals obtain information from the environment and various theories as to how that information is processed. Topics will include basic sensory physiology, psychophysics, visual perception, auditory perception, tactile perception, and the chemical senses. In addition the students will gain first hand experiences in carrying out several classical perceptual experiments and will gain research skills relevant to the field of sensation and perception.

PSY 339 - Social Psychology, 4 credit hours

Prerequisite(s): PSY 100, or consent of the instructor; PSY 280 recommended.

This course may be taken to partially satisfy the core curriculum requirement in the social sciences. A study of psychological principles underlying social behavior. Problems in perception, motivation, social cognition, social interaction attitudes, values and prejudice in person/group relationships are studied.

PSY 340 - Social Cognition, 4 credit hours

Prerequisite(s): PSY 100

Social cognition is the study of cognitive processes governing how we think about and make judgments about other people and social situations and how other people and social situations influence how we think. This course will provide an overview of scientific theory and research in the major topics of social cognition. Students will gain an understanding of the cognitive process governing social cognition. Students will come away with an understanding of the ubiquitous nature of these processes in everyday life, and of the application of social cognition to real-life problems.

PSY 359 - Faculty-student Collaboration, Credit hours to be arranged**PSY 363 - Seminar, 1-4 credit hours**

Prerequisite(s): Prerequisite dependent on topic.

Advanced seminars reflecting the depth and breadth of Psychology are offered periodically.

PSY 373 - Seminar in Clinical Experience, 2 credit hours

Prerequisite(s): Three Psychology courses including PSY 302

Students meet weekly to study, discuss, and experience techniques of counseling and clinical psychology. Students explore the ways behavior is changed through clinical intervention. Frequent field trips expose students to a variety of clinical settings and help form realistic expectations for careers in psychology.

Graded: *S/U (pass/fail).*

PSY 412 - History and Systems of Psychology, 4 credit hours

Prerequisite(s): PSY 280 (PSY 281X recommended), Senior Status

This course covers the development of psychological thought through the ages, beginning in the pre-Socratic period. There is a heavy emphasis on critical analysis of the issues (for example, dualism, empiricism, etc.) that have faced Psychology through time. This course fosters individualized student thought. In addition to a text book, original readings from the classics are emphasized and explored.

PSY 459 - Faculty-student Collaboration, Credit hours to be arranged**PSY 463 - Seminar, 1-4 credit hours**

Prerequisite(s): Prerequisite dependent on topic.

Advanced seminars reflecting the depth and breadth of Psychology are offered periodically.

PSY 473 - Clinical Experience, Credit hours to be arranged

Prerequisite(s): PSY 373 and consent of the instructor

Students are assigned to a clinical setting for a learning and work experience. Students work under the supervision of the personnel in the institution to which they are assigned. Progress is assessed by consultation between the students, the institutional supervisor and the instructor.

Graded: *S/U (pass/fail).*

PSY 491 - Departmental Thesis/project, Credit hours to be arranged**PSY 492 - Departmental Thesis/project, Credit hours to be arranged****PSY 496 - Industrial and Organizational Capstone Project, 4 credit hours**

Prerequisite(s): BUS 410 or PSY 280

The capstone course will require students to apply learning from coursework in the Major to a project with an outside profit or non-profit organization. Students will learn the consultative process and develop and utilize skills in marketing ideas, influencing decision-makers, and interacting with various organizational constituencies. Students will implement business and behavioral science research knowledge and skills in order to address and solve organizational needs and problems. The capstone requires extensive oral and written communication skills in order to complete an applied and/or research project.

Public Health

PHT 170 - Introduction to Public Health, 3 credit hours

This course provides a comprehensive overview of public health as well as in-depth reviews of specific topics. Beginning with a historical overview students will explore major public health issues such as polio, cholera, and yellow fever epidemics. Students will be introduced to the concepts of measuring and evaluating the health of populations, principles of communicable disease, environmental and occupational health, economics of health, and the role of public health workers in society.

PHT 173I - Global Health, 3 credit hours

This course provides an introduction to epidemiological, political, behavioral, sociological, cultural, and medical dimensions in the field of international health. Coverage includes problems concerning both developed and

developing countries, but the emphasis is on problems confronting developing countries. Population-based public health approaches to solving international health problems will be introduced. Topics include historical perspectives, health indicators, the role of culture and behavior, communicable and non-communicable diseases, malnutrition, obesity, environmental health and population issues, the health of women and children, mental health, world health systems, and future issues in international health.

PHT 175 - Epidemiology: Measuring Health and Disease, 3 credit hours

Prerequisite(s): MTH 101 or MTH 108 or MTH 121 or equivalent Math/Stat course or instructor's permission.

Epidemiology is the basic science of disease prevention and plays major roles in the development and evaluation of public policy as well as in social, political, and legal arenas. Used together with laboratory research, it identifies environmental and genetic risk factors for disease and pathogenesis. This course provides an introduction to the field; students will learn basic principles, methods, approaches, and uses of epidemiology. Students will apply principles learned to actual public health questions.

PHT 271 - Public Health Colloquium I, 1 credit hour

Prerequisite(s): Public Health major or minor and sophomore standing

This course enhances learning from the required and elective public health coursework and allows students an opportunity for socialization into the field. Meeting together, students from all three levels will meet to examine current issues in public health through journal articles, grand rounds, case studies, and guest speakers.

PHT 274 - Environmental Health, 3 credit hours

This course will provide an overview of how human habits impact the environment, which, in turn, influences health. Included is a historical background about measures that have been implemented to conserve and preserve the environment as a public health effort, and information regarding laws and policy designed to prevent environmental health issues.

PHT 275 - Infectious Disease & Epidemics, 3 credit hours

This course is devoted to the methods required to study infectious disease and outbreak investigations. It will provide the opportunity for the student to apply basic principles of epidemiology in real-life examples and case studies such as HIV/AIDS, SARS, Lyme disease, food-borne contagions, sexually transmitted diseases, and hemorrhagic fever outbreaks.

PHT 285 - GIS for Health Analysis, 3 credit hours

Prerequisite(s): PHT 170 or permission of instructor.

This introductory course will offer an introduction to GIS and its usage in public health, disease surveillance and healthcare planning. Students will learn to use ESRI's ArcGIS for basic data management, epidemiological analysis, analysis of health behaviors, and health disparities. The students will also learn how to articulate the role of GIS in public health, describe the basic structure of spatial data, identify and use available major sources of GIS health data in locally and nationally. Lastly, students will learn how to use GIS to understand and find solutions for public health problems.

PHT 370 - Health Policy & Public Health, 3 credit hours

This course will provide students of public health with a firm foundation of the basics of American health policy and law. Given the prominent role played by policy and law in the health of all Americans, the aim of this course is to help students develop an understanding of the broad context of health policy and law, the essential policy and legal issues impacting and flowing out of the health care and public health systems, and the way health policies and laws are formulated. This course will provide an introduction to the seminal issues in U.S. health policy and law, thus providing a starting point for discussion, reflection, research, and analysis.

PHT 371 - Public Health Colloquium II, 1 credit hour

This course enhances learning from the required and elective public health coursework and allows students an opportunity for socialization into the field. Meeting together, students from all three levels will meet to examine current issues in public health through journal articles, grand rounds, case studies, and guest speakers.

PHT 373 - Special Topics in Public Health, 3 credit hours

Special topics of interest will be presented. Examples include Military Health; Impact of Culture on Health; Principles of Human Disease; Health, Human Rights, and Displaced Persons; Issues in Women's Health, and Men's Health Across the Lifespan.

PHT 373S - Community Health Planning, 3 credit hours

Special topics of interest will be presented. Examples include Military Health; Impact of Culture on Health; Principles of Human Disease; Health, Human Rights, and Displaced Persons; Issues in Women's Health, and Men's Health Across the Lifespan.

PHT 375X - Health and Social Justice, 3 credit hours

Prerequisite(s): PHT 170 or PHT 175 or any 100 level Sociology/Psychology course or instructor's permission.

Health is an asset and a resource critical to human development that benefits society as a whole. But realizing health for all members of society is a matter of social justice, which depends on reducing social and economic inequality and increasing democracy. This course will allow the student to explore many aspects of health inequalities including how health inequalities are rooted in injustices associated with racism, social class, and sex discrimination. It will provide an analysis of the politics of health inequities and show how market values often dominate over collective needs for well being. Students will examine the politics of methodology and the implications for research and public policy, and critique the ideological implications of contemporary health promotion as a model for public health. Additionally, the course will review approaches that influence the social determinants of health and develop encourage students to develop principles for action and research. An analysis of the role of the mass media in influencing the conceptualization of public health issues will be included.

PHT 470X - Public Health Internship, Credit hours to be arranged**PHT 471 - Public Health Colloquium III, 1 credit hour**

Prerequisite(s): Public Health major or minor and senior standing

This course enhances learning from the required and elective public health coursework and allows students an opportunity for socialization into the field. Meeting together, students from all three levels will meet to examine current issues in public health through journal articles, grand rounds, case studies, and guest speakers.

PHT 475 - Professional Seminar, 3 credit hours

Prerequisite(s): Concurrent with or prior to PHT 470X.

This course will provide a forum in which students will discuss their individual public health field experiences, problem-solve, discuss issues, and explore both workforce and graduate school opportunities.

PHT 520 - Fundamentals of Population Health, 2 credit hours

The course provides students with an introduction to fundamental concepts and principles underlying population health approaches to public health. The course is designed to address population and prevention-based perspectives on health; the biopsychosocial context of health and health disparities; role of community in public health; role of organized public health and medical efforts in population health; and future directions in population health. The course will also designed to provide a broad overview of health disparities and disparity population in terms of race/ethnicity, geographic locations, and sexual orientation. Leading Health Indicators and Leading Causes of Death in the U.S. as described in Healthy People 2020 will be explored.

PHT 522 - Biological Basis of Population Health, 1 credit hour

This course is designed to introduce students an overview of the human biology and biomedical sciences field with an emphasis on its application to significant public health problems. The primary emphasis of this course is to provide the necessary information to individuals with diverse backgrounds so that they have a good working knowledge of biomedical sciences and how it influences our lives and shapes public health. This course will provide an introduction to the field of biomedical sciences through discussion of disorders of public health relevance, including infectious and transmissible vectors, genetic disease and chronic disorders such as type II diabetes and obesity. Concepts of

laboratory methods including quality control, normal ranges, and universal precautions and data interpretation are described.

PHT 525 - Statistical Methods in Population Health, 3 credit hours

The objective of this course is to train students about the most commonly used statistical-methods in clinical, public health, epidemiological, and experimental research. This course is designed to provide a broad overview of biostatistics methods as well as applications commonly used for public health research. Topics covered include measurement and categorizing variables, use and misuse of descriptive statistics, testing hypotheses, and applying commonly used statistical tests including t-test, ANOVA, linear regression, etc. An emphasis will be placed on the practical application of data to address public health issues, rather than theoretical and mathematical development. Students will learn how to choose and apply statistical tools to data sources, when and how statistical tools can be used to analyze data, and how to interpret others' quantitative studies. Students will gain experience using online datasets and the SAS statistical software package. In addition, the student learns how to read, critique, and interpret statistical concepts in the literature.

PHT 526 - Epidemiology for Public Health Practices, 3 credit hours

Prerequisite(s): PHT 520 and PHT 525

The course is designed to introduce students to the concepts of epidemiological methods and their practical applications in the understanding of determinants and distributions of diseases and health related events. This course provides a foundation of topics in epidemiology through examining infectious disease, chronic diseases, and general health. The course will cover basic principles of epidemiology, including disease control and analysis of risk factors. Topics will include the history of epidemiology, types of epidemiologic studies and risk estimation and causal inferences. Students will learn from real world health problems and demonstrate how epidemiology is used to better understand, prevent, and treat diseases among the population. We will illustrate and practice using epidemiology to better understand, characterize, and promote health at a population level.

PHT 530 - Environmental & Occupational Health, 3 credit hours

Introduces students to physical, chemical and biological hazards found in the environment and biological hazards health risks associated with workplace and community exposure to them. Risks to special population and mechanism to reduce these risks are discussed. Students will discuss environmental justice, and will explain its history and principles. The course content will also examine general mechanisms of toxicity in eliciting a toxic response to various environmental exposure. In addition, the course will provide students with basic skill for emergency preparedness and disaster management.

PHT 535 - Research & Evaluation Methods in Population Health, 3 credit hours

Prerequisite(s): PHT 525

This is a course designed around modules whose objective is to provide students with greater familiarity in a range of methods essential to public health practice. The course will be framed around an in depth needs assessment and community public health planning in Northeast Ohio. Topics covered will include data collection and evaluation, both quantitative and qualitative, uses of informatics in public health, analysis of vital statistics, working with communities, methods for developing and facilitating solutions to public health problems. The course demonstrates how core public health competency areas in data analysis and communication provide foundations for applications for both practice and practice-based research. Students will learn to identify the kind of research problems for which qualitative and quantitative methods are appropriate, and to critique research in terms of design, technique, analysis and interpretation. Students will use SAS, NVivo and related software for quantitative and qualitative analysis.

PHT 537 - Theories & Practices in Health Promotion, 3 credit hours

This course will focus on social and behavioral sciences as applied to the understanding of the distribution, etiology, and solution of public health problems. The course will critically review examples of the application of various models to health promotion and disease prevention with individuals, groups and communities. Public health interventions and educational programs are most likely to have an impact on populations and communities when they are guided by a theory. Theories of health behavior help researchers, practitioners and participants identify targets and opportunities for change as well as methods for accomplishing change. This course is intended to provide students with a solid

foundation in behavioral and social science theory in the context of both, public health research and practice. The content of this course will provide exposure to a broad range of theories and frameworks commonly employed in the public health arena including issues related to the intersection of public health and human rights. These theories will be discussed using examples of their applications to numerous public health problems including, but not limited to, HIV/AIDS, violence, cancer, cardiovascular disease, obesity, diabetes, environmental hazards, and global health.

PHT 541 - Public Health Management, Policy & Advocacy, 2 credit hours

The purpose of this course is to introduce students to the fundamental organization, behavior, financing, and challenges of the health system of the United States. This course is an introduction to health policy and management. It examines both the historical and current state of health policy in America and integrates these concepts within the context of public health practice. The course examines key concepts in understanding US health care organization, financing and delivery, current political and economic debate on health care reform, examining the role and management issues of public health departments, and case studies in public health policy and management. This course provides students with a basic understanding of the US health care system and describes how various health care components work individually, and how they work (or fail to work) together to create the "health care system". Though the orientation of the course is toward the American health care system, the experience of foreign systems will frequently be noted.

PHT 598 - Clinical Research Methods, 2 credit hours

The course will provide students with the methods and issues associated with clinical trials. The course will consist of experimental methods and how they are used to design clinical trials. Students will learn how to design and interpret results from clinical trials. Students will also examine the ethical and regulatory issues related to the conduct of Clinical Research Trials.

PHT 600 - Grand Rounds in Population Health, 1 credit hour

Prerequisite(s): PHT 520

Grand rounds are topical seminars designed to provide students with breadth of knowledge on emerging issues in population health. Students are required to attend a minimum of 3 grand round lectures and develop a white paper on a specific topic of interest that deals with a contemporary population health issues.

PHT 610 - Prevention of Chronic Diseases, 3 credit hours

This course focuses on the current status of preventive and population-level interventions to reduce chronic disease risk in adults and children, with an emphasis on community-level, public health policy approaches to promoting healthier lifestyle and wellbeing. This course covers the major chronic diseases and their risk factors. The importance of this subject cannot be overstated since it is the major factor driving health care costs. The U.S. now spends more money per capita than any other nation yet is behind in longevity. Brief overviews of the epidemiology, physiology, chronic disease implications of obesity will be covered. Class sessions are a combination of lecture and class discussion.

PHT 611 - Disease & Wellbeing Across Lifespan, 3 credit hours

In this course the students will use concepts from population health, biology, and nutrition, pharmacology, and biopsychosocial sciences to critically examine the determinants of health, wellness, and illness across the lifespan. Environmental, sociocultural, and economic factors that influence health care practices are emphasized. Theories of health, wellness, and illness are related to health promotion, disease prevention, and illness prevention interventions will be explored.

PHT 612 - Prevention of Sexually Transmitted Diseases, 2 credit hours

This course will fulfill elective requirement that aligns with program goal and mission. The content in this course is designed to meet the knowledge outcomes for graduate program in Public Health as set forth by the Council on Education for Public Health (CEPH). Northeast Ohio experience significant disparities in terms of sexually transmitted infections (STIs). Thus, it is expected that future Public health professionals address this disparities by gaining critical knowledge and skills in prevention of STIs.

PHT 613 - Diversity & Health, 2 credit hours

The purpose is to expose students to the intersectionality of health, race /ethnicity, sexual orientation and gender expression. Variety of qualitative approaches/methodologies that may be used in assessing unique healthcare needs of minority population will be explored. Students will examine and discuss the theoretical and practical elements of the community action research with diverse population.

PHT 620 - Program Planning, Design, and Evaluation, 3 credit hours

Prerequisite(s): PHT 520, PHT 525, PHT 535, PHT 537, & BUS 702

This course will provide students with the concepts and techniques of planning, implementing, and evaluating public health programs. The course will cover concepts that are relevant to evaluation of health, and social and behavioral interventions in the community settings. These will include program/intervention, implementation and impact evaluation concepts, models/designs, methods, indicators, and data collection, analysis and interpretation strategies. Design and application of evaluations will include both quantitative and qualitative analysis methods. The course will explore the role of planning and evaluation in improving program implementation, management and outcomes.

PHT 621 - Advanced Methods in Population Health Assessment, 3 credit hours

Prerequisite(s): PHT 525, PHT 535, PHT 537

This course will provide students with advanced skills in research design and methods for establishing causal statements about the efficacy, effectiveness and generalizability of public health interventions designed to alter population health outcomes and social risk or protective factors. Standards for stating/claiming that an intervention is evidence--based also are addressed in this course. This course employs basic aspects of ArcGIS, and SAS-based statistical modeling tools for multivariate regression analysis.

PHT 630 - Violence & Public Health, 3 credit hours

With experiences ranging from interpersonal violence between family members to those experiencing war as either combatants or noncombatants, violence is a major issue in Public Health. The course will examine the impact violence in all forms has upon the lives of those involved and social, cultural, and political factors that relate to it. Students will also examine the social, psychological, and medical effect of violence. Students will also examine programmatic and other mechanisms to reduce disparities and experience of violence.

PHT 635 - Latino Health & Culture, 3 credit hours

The course will examine the social and medical factors that affect the health of Latino populations within the United States. Issues such as language and culture influences the lives of Latinos and affect their ability to access care and to adhere to treatment. The course will provide students with an understanding of the factors that can benefit or hinder Latino populations. Students will learn about Latino cultures and important phrases to increase their cultural competency regarding Latino populations.

PHT 645 - Health Informatics & Big Data, 2 credit hours

Prerequisite(s): PHT 525 or other graduate level statistics course

This course provides a conceptual foundation and practical training to students who will be working with larger dataset from clinical trials, census or other public health research studies. Topics include data issues in study design, collecting high quality data, using SAS and SQL to transform data into structures useful for analysis, producing typical reports, data closure and export, and working with big data. This course describes the organizational context of health information and how to use health data to manage population health. Sources and types of health information, organizational processes affecting information quality, consistency, completeness, and accuracy, methods for organizing information, and use of information will be discussed. Students will use SAS JMP software for data analysis and management.

PHT 650 - Ethics & Law in Public Health, 3 credit hours

This course explores the legal powers and duties of the state, in collaboration with its partners (e.g., health care providers, business, the community, the media, and academe), to assure the conditions for people to be healthy, and the limits on state powers to constrain the autonomy, privacy, liberty, proprietary, or other legally protected interests of individuals for protection or promotion of community health. After reviewing key concepts relating to the public

health "system" and introducing the concepts of public health ethics, law and policy, we overview basic theories of ethical decision-making and their relevance to public health. Public health ethics seek to understand and clarify principles and values that guide public health actions, offering a framework for making decisions and a means of justifying them. We close the course by applying what we learn to specific forms of government intervention to address public health problems.

PHT 665 - Grant Writing & Administration, 1 credit hour

The goal of this course is to provide students an opportunity to enhance their skills in the area of grant writing, reviewing and management. The student will learn the steps in planning and writing the grant for state, federal and private funding agencies, understanding the funding environment, learning how to choose different types of grants, and understand the submission and review process. Students will have the opportunity to experience the range of activities involved in grant writing and management including developing a compelling idea for a project or research; identify ethical issues; skills for identifying strategies, anticipating problems and understanding reviewers to write major components of the grant application including the Executive summary, Needs Statement, Objectives, conceptual model, Project Activities/Methods, Resources, Budget, and Budget Justification; conduct a review for a grant application; and identify post-award expectations in managing a funded project.

PHT 770 - Practicum in Population Health, 4 credit hours

Prerequisite(s): PHT 520, PHT 525, PHT 535, PHT 537, & BUS 702

This is a required 4-unit course. Students must complete a minimum of 240 hours of supervised field-work experience and/or a research based thesis. Prerequisites are completion of all general MPH core courses. Attendance at one or more Practicum Orientation meetings is mandatory. Practicum Orientation meetings are held at the beginning of each semester. The practicum is designed to provide MPH students with the opportunity to integrate the knowledge and skills developed during their academic program in a structured, supervised, real-world professional setting under the direction of a site supervisor and a faculty member in a public health setting. Requires a significant project proposal approved by faculty instructor and the Department and a final report and/or a thesis and reflection paper.

PHT 775 - Capstone Project & Seminar, 1 credit hour

Prerequisite(s): Completion and/or enrollment in core and concentration courses. PHT 770.

The course draws on students' prior training in the five core areas of public health; cross cutting competencies (leadership, communication and systems thinking); their additional required course work in one of 2 tracks; and their "real world" experience gained in the field prior to their graduation. In particular, the capstone class is closely linked to the MPH practicum. The Capstone is designed to challenge students to reflect and integrate their training and experience with the goal of developing their own individual point of view regarding the role of public health in contributing to the improvement of the health and well-being of populations in the United States, as well as abroad. A Comprehensive exam, capstone presentation assessment, and reflection on students' E-Portfolio will be conducted.

Public History

PBH 100 - Introduction to Public History, 2 credit hours

This course will introduce students to public history, an area of history that applies history to the world around us and brings the past to the people. Through readings, hands-on experience, guest lecturers, and group participation, students will be introduced to history careers outside of academia and challenged to think about issues involving preservation, promotion, and the presentation of history to a public audience. Career paths in archival management, museum studies, special collections, oral history, and others will be explored. The course will also address the politics of public history and popular memory.

PBH 200X - Introduction to Archives and Museums, 3 credit hours

This course is designed to familiarize students with common terminology, best practices, and current events in the archival and museum field. Through readings and experiential assignments, students will be introduced to careers outside of academia and challenged to think about various issues. Class work will present students with an

opportunity to curate an exhibit in a public setting, engage in collaboration, promote their work via social media, and manage a very real project budget.

PBH 300 - Research in Community History, 3 credit hours

This course will introduce students to local history, a genre of history that emphasizes the community and its contributions to our understanding of the bigger picture. In particular, this class will focus on "doing" local history, finding the worthwhile stories, nurturing collaborative endeavours, exploring ways of making local history more engaging, and the impact the web has had on bringing local history to a global audience. Through readings, experiential assignments, and web content, students will be introduced to careers in local history careers.

PBH 350 - Oral History Practicum, 3 credit hours

Prerequisite(s): PBH 300 or permission of instructor

This course introduces students to the importance, theory, literature, and practice of oral history. A portion of the course will include setting up, recording, editing, transcribing, and making the oral histories accessible via the web. Students will also learn about the use of oral history in research.

PBH 470X - Public History Internship, Credit hours to be arranged

Prerequisite(s): PBH 100, PBH 200X, PBH 300, PBH 350 or permission of instructor

The internship requires students to work for a professional museum, historical society, library, archive, or other organization engaged in public history. The internship will culminate in a presentation to faculty and a reflective essay that describes the choice of internship, learning objectives and challenges experienced in meeting them, and personal development achieved.

Religion

REL 050(I) - Independent Study, 1-4 credit hours

See Independent Study Program.

REL 070 - Internship, 1-12 credit hours

REL 100 - Introduction to Religion, 3 credit hours

An introduction to religion, utilizing Ninian Smart's seven "dimensions of the sacred": the ritual or practical; the doctrinal or philosophical; the mythic or narrative; the experiential or emotional; the ethical or legal; the organizational or social; and the material or artistic. Required for Majors and Minors.

REL 101I - Religions of India, 3 credit hours

An introduction to the beliefs and practices of the major religions of India, including Hinduism, Jainism, Buddhism, Islam, and Sikhism.

REL 102I - Religions of China and Japan, 3 credit hours

An introduction to the beliefs and practices of the major religions of East Asia, including Confucianism, Daoism, Buddhism, and Shinto.

REL 105 - Religion for the Citizen, 3 credit hours

This course focuses on basic Religious Literacy, providing students with the knowledge about Religion they will need to act as educated citizens in our increasingly pluralistic society. This course includes units on religions in our community, religion and service, religion in politics, religion in the media, and spiritual reflection.

REL 108I - Islam, 2 credit hours

An examination of the basic beliefs, practices, and early history of Islam.

REL 110 - Judaism, 3 credit hours

An introduction to modern Judaic faith, with emphasis on understanding the main themes of Jewish faith and practice in the contemporary world. Offered with support from the Jewish Chautauqua Society.

REL 115D - African-American Religious Experience, 3 credit hours

This course examines African-American Religious Experience by providing a survey of African-American religious history. It pays particular attention to the interaction of African religions with Christianity and to the diversity within African-American religion in Christianity as well as beyond Christianity.

REL 120 - Catholic Faith Today, 2 credit hours

A study of the beliefs and practices of the Roman Catholic Church today, seen especially in the light of the changes introduced by the Second Vatican Council.

REL 121 - Spiritual Disciplines, 3 credit hours

Spiritual Disciplines are the path to spiritual growth. Classical disciplines such as prayer, fasting, meditation and others will be examined with respect to both process and content. A practical, experiential component is an essential feature of the class. However, the class does not fulfill the Experiential Learning Core Requirement.

REL 125 - Modern Spiritual Paths, 3 credit hours

Representative luminaries of various religious traditions provide different ways of experiencing God's Presence. Attention will also be given to the multiple ways spiritual experiences are articulated. Diversity within the Christian tradition will be in evidence, as well as the pluralism of non-Christian traditions such as Judaism, Buddhism, Hinduism and Islam.

REL 127 - Contemplative Spirituality, 3 credit hours

Contemplative Spirituality is a way of living a centered life with awareness of the Divine Presence. The class examines both the historical ways of contemplation and its contemporary expressions in diverse faith traditions. This way of living offers an alternative way of being in the world. An experiential component is an important feature of the class. However, the class does not fulfill the Experiential Learning Core Requirement.

REL 161 - Christian Faith & Thought, 3 credit hours

An introduction to the field of Christian theology. The course will consider the major forms of Christian faith and thought, with an emphasis on contemporary expressions of Christianity in churches today. Some attention will be given to these topics: faith and reason, church and state, scripture and its interpretation, science and faith, personal faith and communal worship, ecumenical patterns, and the future of Christianity.

REL 193(I,D) - Topics in Religion, 2-4 credit hours

Various topics in Religion will be examined. May be repeated, provided that the topic is different.

REL 201I - Buddhist Culture in Asia, 3 credit hours

An anthropological approach to the study of Buddhism, looking at Buddhist culture in South Asia, East Asia, and Tibet. Special attention will be given to ritual practice, religion and politics, social activism, and gender issues.

REL 215I - Death and the Afterlife in the World's Religions, 4 credit hours

A comparative examination of the world's religions in terms of their beliefs and rituals associated with death and the afterlife. The course also includes a segment on near-death experiences and a segment on current life-and-death issues in the modern West.

REL 216I - Women and Religion, 4 credit hours

A comparative examination of the world's religions in terms of their attitudes towards women as well as women's roles. Special attention will be given to both traditional religious conceptions of women and modern feminist reclamations of religious traditions.

REL 217I - Religion, Violence & Peace, 4 credit hours

A comparative examination of the world's religions in terms of their beliefs about violence and non-violence. Special attention will be given to scriptural interpretation and modern case studies from around the world.

REL 218D - American Religious Pluralism, 4 credit hours

A comparative examination of the world's religions in the United States of America. Special attention will be given to legal and historical understandings of American religious pluralism and to issues of assimilation, discrimination, and enrichment experienced in America, especially since the Immigration and Naturalization Act of 1965.

REL 219I - Religion and the Environment, 4 credit hours

A comparative examination of the world's religions in terms of their attitudes toward nature and the environment. Special attention will be given to modern international case studies of religious approaches to sustainability.

REL 222 - History of Christian Spirituality, 3 credit hours

The class examines the major diverse traditions in Christian spirituality. Included are Roman Catholic, Orthodox and Protestant voices. Attention will be given to how women and men within these traditions experienced the divinity and how they expressed this experience in both word and deed.

REL 242 - Intro to the Hebrew Bible/ Old Testament, 3 credit hours

A basic study of the origin and development of the Hebrew-Judaic faith and its expression in history, personalities, theology and various types of literature. An interdisciplinary examination of the Hebrew Bible. Special attention will be given to its authorship, its historical and cultural context, its literary value, and its implications for theological interpretations.

REL 243 - Jesus and the Gospels, 3 credit hours

A study of the life and teachings of the historical Jesus of Nazareth, as well as a critical examination of the literary portraits of him, represented by the canonical Gospels and the Gospel of Thomas.

REL 244 - Christianity in the New Testament, 3 credit hours

A study of the birth of Christianity, as portrayed in the letters of Paul and the Acts of the Apostles.

REL 245 - History of the Bible, 3 credit hours

A study of the formation and use of the Christian Bible through the centuries and of the impact it has had on western culture. Topics such as the following will be addressed: the manuscript traditions of the Bible, the development of the canon, theories of the authority and inspiration of scripture, the history of translation and interpretation, and the history of the English Bible.

REL 259 - Faculty-student Collaboration, Credit hours to be arranged

REL 265 - Religion and Literature, 3 credit hours

A study designed to investigate the religious dimensions of the literary imagination. Emphasis is placed on careful reading of significant literary texts, including fiction, poetry and drama.

REL 266 - Religion & Film, 3 credit hours

This course will explore the ways in which film illumines and critiques the religious dimension of life as primarily articulated within the Christian tradition. Themes such as, though not limited to, faith, grace, redemption, evil, and community will be examined.

REL 290 - Departmental Colloquium, 1 credit hour

Prerequisite(s): One Religion course

Meets weekly, to discuss various issues in Religion. Required for Majors and Minors. Graded S/U.

REL 293(I,D) - Topics in Religion, 2-4 credit hours

Various topics in Religion will be examined. May be repeated, provided that the topic is different.

REL 359 - Faculty-student Collaboration, Credit hours to be arranged**REL 363(I) - Seminar in Religion, 3 or 4 credit hours**

Prerequisite(s): ENG-131 and one Religion course or consent of the instructor.

Advanced examination of various topics in Religion. May be repeated, provided that the topic is different. Required for majors and minors

REL 459 - Faculty-student Collaboration, Credit hours to be arranged**REL 463(I) - Seminar in Religion, 3 or 4 credit hours**

Prerequisite(s): ENG-131 and one Religion course or consent of the instructor.

Advanced examination of various topics in Religion. May be repeated, provided that the topic is different. Required for majors and minors

REL 491 - Departmental Thesis/project, 3-4 credit hours

Prerequisite(s): Two upper level seminars

Sociology

SOC 050(I) - Independent Study, 1-4 credit hours

See Independent Study Program.

SOC 070 - Internship, Credit hours to be arranged**SOC 100D - Principles of Sociology, 4 credit hours**

Would you like to learn important life skills that will help you meet difficult challenges in life? This class introduces you to the controversial issues, competing theories, and scientific methods in sociology. You examine the impact of culture, socialization, and social institutions on human behavior. You also learn to apply the sociological perspective to a study of social class, race, gender, and deviance. Interactive computer exercises aid your understanding of key issues in society. This fun class is comparative in nature, drawing on examples from both the United States and around the world.

SOC 180I - Archeology and Human Evolution, 3 credit hours

Voices speak from the dust in this anthropological study of human evolution, from origins through the formation of major early civilizations. Emphasis is on understanding the changing nature of the relationships between human biology, the environment, and adaptation of culture as a way of life.

SOC 181I - Cultural Anthropology, 3 credit hours

From the exotic to the more familiar, anthropological study offers unique insights in this introduction to the nature of culture and a comparison of contemporary non-western cultures worldwide. Readings, slides and films help review cultural similarities and differences in subsistence technology, language, social organization, politics and religion. An analysis that views culture as humankind's most important adaptive tool, a strategy for survival, also suggests cultural anthropology's relevance for appreciating the modern world's social, economic and ecological problems.

SOC 201D - Social Problems, 4 credit hours

We face many challenges in society today. This course addresses selected social problems and issues in our world today. Emphasis is on conceptions and misconceptions regarding the causes of social problems at the national and international level. Possible solutions and policy implications to these problems are also explored. Working

collaboratively with the Community Outreach Office at Baldwin Wallace University, students enrolled in this course may choose to work in various social agencies to address social problems in the greater Cleveland area.

SOC 206 - Crime in Organizations, 3 credit hours

Crime isn't always complex or committed by those in positions of power, but sometimes it is. The primary focus of this course is to acquaint students with the nature and extent of criminal behavior within an organizational context. Accordingly, the course will focus upon analyzing organizational crime and deviance within corporate, governmental and criminal justice settings. Societal attitudes, social and economic consequences and control of these activities are also addressed.

SOC 210 - Work Matters: The Sociology of Work and Work Settings, 3 credit hours

Prerequisite(s): At least 6 months of full time work experience.

A rewarding career requires understanding of the role work plays in our lives and the nature of different work settings. Sociologists study the way work roles interrelate on the job and in our families. We will look at issues of diversity, career paths, and the impact of organizational growth and the human toll of downsizing. We will also try to understand the role work plays in the lives of executives, professionals, middle managers, skilled and unskilled workers, and what it means to have no work role because one is unemployed. Students will study their own work settings as part of the course and will draw on their own work experience and career goals in class discussion.

SOC 212 - Families, Couples and Singles, 3 credit hours

Have you ever wondered about the "health" of today's family? The meaning of the word itself is changing, as are the circumstances around it in society. This course presents an analysis of family life and the historical development of the family through the examination of comparative family organizations in various societies. A review of recent research in American family structure is undertaken to discover the strengths, weaknesses and the future of various types of domestic lifestyles, including living together couples, single-parent families and other alternative forms. Social policies are also explored in this class.

SOC 223 - Juvenile Delinquency and the Juvenile Justice System, 3 credit hours

This course examines competing theories of juvenile delinquency as well as measures which aid in the prevention and control of this behavior. Juvenile justice procedures and cases are presented. Attention is also given to the social consequences of juvenile delinquency and corresponding legal and social reactions.

Crosslisted: CRJ 223

SOC 250(I) - Topics in Sociology, 3 credit hours

Content will vary. Students may take this course more than once provided that the topic is different each time. Examples: Sociology of Sport, Sociology of Religion, Policies on Aging.

SOC 259 - Faculty-student Collaboration, Credit hours to be arranged

SOC 260 - Death and Dying, 3 credit hours

The principal purpose of this course is to provide students with an opportunity to study death in modern society. Course objectives include: applying the sociological perspective to understanding death and dying in modern U.S. society; learning how grief is a life-long human dilemma and will study models of grief and bereavement adaptation; developing an interdisciplinary understanding of the complex nature of death in our modern healthcare system and global societies. Students will be challenged to understand the difficult ethical and moral end-of life medical decisions confronting the terminally ill, their families and health care professionals.

SOC 263(I) - Seminars in Sociology, 1-4 credit hours

Semesters Offered: Offered occasionally on a variety of topics.

SOC 265 - Policing of Society, 3 credit hours

This course will provide students with a knowledge of the role and functions of the police in our society. Critical issues facing the law enforcement community and our society will be addressed. The primary focus will be on the municipal level, with selective coverage of other levels (county, state, federal) as deemed necessary.

Crosslisted: CRJ 265

SOC 270I - Terrorism: Roots and Responses, 3 credit hours

Terrorism is often touched on in the news, but how much do you really know about its causes and consequences? Among the topics that are explored are: how terrorism is defined (and sometimes justified), the factors that promote its existence, features of terrorist organizations, the impact of media coverage of terrorist incidents, and the array of counter-terrorism measures undertaken by governments. While the course examines various terrorist campaigns around the world—past and present—the emphasis is on what is sometimes referred to as the “new terrorism.” That is, religiously motivated violence involving radical Islamist factions whose terrorist tactics and extreme violence set it apart from other examples of terrorist campaigns.

Crosslisted: CRJ 270I

SOC 280 - Research Methods, 4 credit hours

Prerequisite(s): SOC 100D. Required of all Sociology majors.

In today's market, no matter what University graduates pursue as a career goal, they can be expected to provide scientific and objective assessments at different levels. This course is designed to help the student understand the theoretical principles on which scientific research is based and to see how those principles are reflected in the established techniques for doing research. Upon completion of this course, a student can expect to be fairly knowledgeable of concepts in and the structuring of Scientific Inquiry; Modes of Observation, with special emphasis on computer applications in data interpretation; and the social context of research. In addition to the logistical and technical matters, research ethics and relations to public policy are also covered in this course.

SOC 281 - Data Analysis Using PASW, 4 credit hours

Prerequisite(s): PSY 278 or EGN 279 or MTH 105, and a research course in a discipline related to student's specialization or consent of the instructor. Required of all Sociology majors. For Statistics minors, all other required courses in the minor need to be completed before taking this course as a capstone.

Valued by employers and graduate schools alike, this course develops marketable skills used in social science analyses as well as in other areas of research like communications, business, and health. Students use the Predictive Analytics Software (formerly Statistical Package for the Social Sciences) to create data files, recode variables, and analyze relationships in the data. Participants in the class learn how to formulate research hypotheses and empirically test them in a user-friendly computer lab. The course is based on conceptual understanding of statistical analysis and emphasizes a practical, working knowledge of various statistical tests with calculations performed by the software. Do analysis of your own choosing, starting with the data and ending with impressive tables and graphs with which to convey the findings to the world. In the end you might like data analysis like many students who took the class before you!

SOC 288 - Environmental Sociology, 3 credit hours

What are the cultural and institutional mechanisms that have both contributed to and responded to environmental problems? This course investigates how groups conceptualize and impact natural systems by studying cultural norms and values, and studying how communities and organizations respond to environmental threats. An overview of environmental movements includes an emphasis on environmental justice, both domestically and internationally. Students will propose optimal mechanisms to transform cultural elements and social structures to achieve sustainable societies.

SOC 290D - Gender Roles, 3 credit hours

This course examines gender dynamics from an interdisciplinary perspective. Students use scholarly publications to explore the impact of the media, politics, and the workplace on individual experiences. Both macro (social structure) and micro (interpersonal relations) perspectives and social policies are investigated. The focus is primarily on the

contemporary United States, but references to other countries, particularly developing countries, will be made where appropriate.

SOC 301D - Social Inequalities, 3 credit hours

Prerequisite(s): SOC 100D, SOC 201D or SOC 210

Have you ever wondered why some people have more than others, and why these inequalities persist in modern society? This course examines some dominant forms of inequalities, their causes, and some of the social consequences that are adjunct to the process. The course explores the ways in which these impact life in the United States and other nations, and prepares students with some the life skills that will help them cope with these and at the same time make positive changes in their society and the larger global scene. The course covers intermediate level concepts of social inequalities seen from a sociological perspective; forms, causes, and consequences of inequalities; sociological data interpretation; and cross-cultural perspectives on these issues. Social and public policies are also addressed as a necessary corollary to the topics covered in class.

SOC 302I - Racial and Cultural Minorities, 3 credit hours

Prerequisite(s): SOC 100D or SOC 201D

Increase your understanding of cultural conflict. Many Americans do not realize that most nations in the world have minority populations. We will use macro concepts (social structure) and micro analysis (interpersonal relations) to examine the position of African Americans, Hispanics, Asians, and major religious minorities in the U.S. in contrast with conditions of groups in several other countries, including South Africa, Northern Ireland, Brazil, and Canada. Learn a little world geography as a side benefit!

SOC 303IX - Urban Community Life, 4 credit hours

Prerequisite(s): SOC 100D or SOC 201D. Required for all Sociology majors

This course presents an overview of the historical development of the urban community. The dynamics of urbanism are studied, including population changes, different life styles, and urban ecology. An integral component of this course may involve work in the community coordinated through the Community Outreach Office. Students will actively participate in the community applying and integrating knowledge acquired in the classroom with actual programs, social policies, and concerns of the urban community.

SOC 310 - Work in America, 4 credit hours

An examination of the meaning of work through the findings of empirical research. Executives, professionals, middle managers, skilled and unskilled workers and the unemployed are studied to learn how the tasks, personal associations and social status connected with work influence values, life style and family relationships. Students' own work experience and career goals are incorporated into the course.

SOC 313 - Criminology, 3 credit hours

Prerequisite(s): SOC 100D or SOC 201D or HUM 200. Required of all Sociology majors

This course focuses on the sociological study of crime. The course includes an examination of the nature of criminal laws, the variety of theoretical explanations for criminal behavior, the measurement of crime, patterns of crime, and the mechanisms for control of criminal behavior.

Crosslisted: CRJ 313

SOC 315 - Sociological Theory, 3 credit hours

Notes: Required of all Sociology majors.

Prerequisite(s): SOC 100D or SOC 201D, plus 2 additional courses in sociology.

This course provides an in-depth coverage of major theoretical contributions in sociology. Students will acquire a sense of how social theory has developed historically, understand the strengths and limitations of each theory studied, and develop an ability to evaluate and discuss theories critically. The interdisciplinary nature and relevance of social theory on contemporary society are also investigated.

SOC 317 - Sociology of Deviance, 3 credit hours**Prerequisite(s):** SOC 100D or SOC 201D

This course studies the nature of social deviance, including an overview of differing theoretical perspectives on deviance. Emphasis is on an assessment of causality, typical life styles of various classes of deviants, current societal reaction and possible alternative responses by society to deviancy in its various forms.

SOC 320 - Victimology, 4 credit hours**Prerequisite(s):** SOC 100D or CRJ 165

This course will cover topics such as the patterns of criminal and victim relationship, theories of victimization, victims' rights and activism, the role of victim in the criminal justice process, and problems of adjustment to victimization and compensating the victim. The various types of victims and victimizations will also be explored. Students will actively participate in the community service, applying and integrating knowledge acquired in the classroom with actual programs, social policies, and concerns of the urban community. Sections of Victimology offering experiential learning credit will include tenets of *Philanthropic Learning* and related content regarding the non-profit sector, grant writing and grant evaluation.

Crosslisted: CRJ 320**SOC 323 - Sociology of Law, 3 credit hours****Prerequisite(s):** SOC 100D (POL 207 highly recommended)

This course examines major issues and debates in the sociology of law by examining the ways in which law affects social life and the social repercussions of legal decisions. Students will be exposed to a wide range of perspectives and will draw on examples from many legal settings. The goal of this course is to survey the different ways in which sociologists think about and study law and legal institutions, legal actors, and their relationship to social change.

SOC 330D - Protests, Movements and Social Change, 3 credit hours**Prerequisite(s):** SOC 100D or SOC 201D, plus an additional course in sociology

Social movements are collective actions by which groups bring about or resist social and political change. Power is a primary conceptual theme -- how it is distributed, organized, retained or lost. The women's movement, gay rights, the environmental movement and fundamentalism are some of the topics studied.

SOC 344D - Aging and Society, 3 credit hours

This course examines the social, cultural and group forces involved in aging. Topics include a survey of the larger field of social gerontology (aging studies), the social psychology of the aging individual and social forces involved in the life span in various cultures. Specific issues of health and human services are also covered, such as family relationships, personal growth after retirement, and death and dying.

SOC 345 - Medical Sociology, 3 credit hours

This course uses sociological concepts, perspectives and research methods to examine the socio-cultural aspects of health and illness, disease prevention and disease treatment. The course explores the epidemiology and social demography of health, examines the behaviors associated with health and illness, and reviews the experience of illness in various societies. Attention is given to the doctor/patient interaction, the medical professions in changing societies, and the health care delivery systems and social policies regarding medical care in the United States and other nations.

SOC 350 - Topics In Sociology, 3 credit hours**Prerequisite(s):** SOC 100D or SOC 201D

Content will vary. Students may take this course more than once, provided that the topic is different each time. This course designation will include a significantly greater component of academic rigor and/or computer labs/service learning/additional research obligations for students enrolled in this course designation. Examples would be: Social Policies on Aging, Race and Racism from a Socio-Anthropological Perspective, or a sociological study about a particular country.

SOC 350I - Modern China, 3 credit hours

Would you like to learn about contemporary China, often seen as America's future rival in the world? Many Americans including national leaders know very little about China. Information related by the news media is not only frequently inaccurate but also misleading. In this fun and informative class, you get to learn about the Chinese culture, its people, and its achievements. You also explore the complex processes causing the rapid change in China and the pressing social problems its people face every day. You will also become aware of how the solutions to these problems affect issues Americans care about such as American trade imbalance with China, intellectual property protection, energy consumption, environmental pollution, nuclear nonproliferation, and global war against terror. Participation in field trips to local cultural attractions is required. Ideal for students who seek to work in areas of international business, politics, and comparative studies in the humanities and social sciences.

SOC 359 - Faculty-student Collaboration, Credit hours to be arranged**SOC 361 - Corrections, 3 credit hours**

This course acquaints students with an analysis of sentencing, probation, parole and a diverse number of critical issues in penology. Such issues may include the prison environment, deterrence, rehabilitation, retribution, prison violence, capital punishment, prisoners rights, and reform of the system.

Crosslisted: CRJ 361

SOC 365 - Perspectives on Violence, 3 credit hours

Prerequisite(s): SOC 100D or CRJ 165

Americans today seem to be much more concerned about crime, especially violent crime, than in years past. While this fear is understandable, careful consideration of the "violence problem" leads to different ideas than those generally held in the minds of most citizens and those broadcast on national television. This course is an interdisciplinary inquiry into the patterns and correlates of violence, its various forms, such as interpersonal and collective violence, and attempts to control its occurrence.

Crosslisted: CRJ 365

SOC 386I - Global Perspectives, 4 credit hours

Notes: Recommended Preq: SOC 100D or Sophomore standing.

We live in a world where global and local events are increasingly interconnected. The primary purpose of the course is to provide a sociological interpretation of global human dynamics. Issues of concern include areas of changing political economy, ecological sustainability, and international conflict. Major theories of development, i.e., modernization, dependency, and world-system will be examined. Alternative models of development and the role of different cultures in the national quest to advancement will also be discussed. In addition, this course seeks to understand how solutions to common problems such as globalization, environmental degradation, and the war against terror will affect American society as well as the global community.

SOC 400 - Applied Sociological Research, 3 credit hours

Prerequisite(s): SOC 280 and SOC 281, Senior standing and Sociology Major. Required of all Sociology majors.

The whole class will undertake an applied research project for an on-campus or off-campus client. The class will design the study, develop the instruments, gather the data, analyze the data, and report the findings to the client.

SOC 450 - Sociology Proseminar, 3 credit hours

Prerequisite(s): Junior status and Sociology Major or Minor. Required of all Sociology majors.

Integrating knowledge of sociology and its applications are the key element of this course. Students will apply knowledge gained to a special topic throughout the semester. Discussions and assignments will integrate concepts and theories from other courses in the major. Students also prepare a portfolio containing a resume, information about careers, graduate programs, and a network file. Class sessions may include meetings with Career Services and speakers on graduate schools and various career fields.

SOC 459 - Faculty-student Collaboration, Credit hours to be arranged

SOC 463(I) - Seminars in Sociology, 1-4 credit hours

Offered occasionally on a variety of topics.

Spanish

SPN 050 - Independent Study, 1-4 credit hours**SPN 070 - Internship, 1-12 credit hours****SPN 101 - Elementary Spanish I, 4 credit hours**

Prerequisite(s): None. Appropriate course for beginners. Students with more than two years of high school Spanish must have special permission of the instructor to register for SPN 101.

This course is designed for students with no previous knowledge of Spanish. Students will learn basic grammar in an oral/aural context in each class. Students of Spanish 101 are expected to develop the four language skills of speaking, listening, basic reading and writing as well as an appreciation of Latino culture. Students will be exposed to native speakers of Spanish in an interactive CD ROM, tele-based program Destinos, and videos on Spain and Spanish-America.

SPN 102 - Elementary Spanish II, 4 credit hours

Prerequisite(s): SPN 101 or equivalent.

Students of Spanish 102 are expected to enhance the four language skills of speaking listening, reading, and writing. This class will introduce the subjunctive mood, compound tenses, prepositions, and basic conversational skills. Speaking the language is greatly stressed at this level. Students will be exposed to native speakers of Spanish in an interactive CD ROM, telebased program Destinos, and videos on Spain and Spanish-America.

SPN 110 - Elementary Spanish in Ecuador, 7 credit hours

Prerequisite(s): None

SPN 110 is offered in Ecuador by Experiment in International Living. It is a beginning language class for students with no more than three years of Spanish. (Appropriate student placement will be determined by the Department of Foreign Languages and Literatures to which students must present evidence of their high school year/s of Spanish, such as a transcript). This course will cover the equivalent of the first year of language and culture instruction offered in the Spanish Program at Baldwin Wallace University. This is an intensive course that allows students to complete two semesters of Spanish in one semester in Ecuador. Course Structure and Objectives: SPN 110 is an introduction to Spanish language and culture. It will cover basic Spanish grammar and structures and pay particular attention to vocabulary enrichment and knowledge of Latino culture. All skills (reading, writing, listening and speaking) and the three basic fields (grammar, introduction to reading, and writing) will be emphasized. See Explorations/Study Abroad program.

SPN 201 - Intermediate Spanish I, 4 credit hours

Notes: Required of all Spanish majors.

Prerequisite(s): SPN 102 or equivalent. SPN 201 is an appropriate entry point for most students with more than two years of high school Spanish.

One purpose of this class is to review what the student already learned and to expand on her/his first year of Spanish at BW. This is a grammar class with an introduction to cultural and literary readings. All skills (reading, writing, listening, and speaking), as well as the three basic fields (grammar, literature, and culture) will be emphasized during the course.

SPN 202 - Intermediate Spanish II, 4 credit hours

Notes: Required of all Spanish majors.

Prerequisite(s): SPN 201 or equivalent.

An expansion of Spanish language skills developed with exercises in conversation, oral comprehension, composition based on cultural and literary readings.

SPN 210 - Intermediate/advanced Spanish in Ecuador, 7 credit hours

Prerequisite(s): Minimum SPN 101 (See the description of this class below for more details).

SPN 210 is an intermediate and/or advanced course in Spanish that reviews and expands knowledge of grammar, aural skills (listening and comprehension), and reading and written skills in Spanish. If the student is a Spanish major or minor, this course may be the equivalent of SPN 102/SPN 201, SPN 201/SPN 202, SPN 202/SPN 3011, or two of the following courses: SPN 240I, SPN 303I, and/or SPN 311I, however, the exact equivalence will depend on the student's placement by the Department of Foreign Languages and Literatures. Course Structure and Objectives: SPN 210 is designed to reinforce and expand the Spanish language skills the student has already acquired in the first year of language instruction. During the semester, the student should improve her or his ability to manipulate not only the basic structures of Spanish, but more idiosyncratic and sophisticated structures as well. Special attention will be given to vocabulary enrichment, literary and cultural readings, oral discussions and writing. See Explorations/ Study Abroad program.

SPN 240I - Contemporary Spain and Latin America, 3 credit hours

Prerequisite(s): None. Given in English. May be taken for major credit if out-of-class research and report is done in Spanish.

A study and discussion of ongoing and developing events in any field, which present themselves in Spain and Latin America. The course also includes readings and discussions of the Hispanic character and pertinent topics in intercultural communication.

SPN 250I - Techniques of Spanish Translation, 3 credit hours

Prerequisite(s): SPN 202 and SPN 3011 or equivalent.

A brief introduction to theories of translation followed by practical experience translating various texts.

SPN 260I - Commercial Spanish, 3 credit hours

Prerequisite(s): SPN 202 or equivalent advanced standing with permission of instructor.

An introduction to commercial and technical terms in Spanish with practice in business correspondence.

SPN 262(I) - Seminar Taught in English, 1-4 credit hours

A close study of a selected topic in Spanish. May be repeated if a different topic is offered.

SPN 263I - Seminar, 3 credit hours

Prerequisite(s): SPN 202 or permission of instructor.

A close study of a selected topic in Spanish. May be repeated if a different topic is offered. Depending on the topic this course may substitute for courses required of the Spanish minor or major.

SPN 270 - Spanish for Healthcare Providers, 3 credit hours

Prerequisite(s): SPN 102

Spanish for Health Care Providers is designed to give students a fundamental background in the Spanish that is spoken in health care settings and a greater understanding of Latino culture in the United States. More broadly, this course asks students to consider the legal, ethical, and cultural challenges of delivering healthcare to a culturally and linguistically diverse population. Through conversation practice, simulated oral situations, readings, vocabulary exercises, exams, and short papers in both English and Spanish students will learn to communicate in Spanish in a wide range of situations pertinent to health-related scenarios.

SPN 301I - Advanced Spanish I, 2 credit hours

Notes: Required of all Spanish majors. Equivalent to the former SPN-2211 course.

Prerequisite(s): SPN 202 or consent of the instructor.

This course emphasizes the development of students' oral proficiency in Spanish through the enrichment of vocabulary, improvement of pronunciation, and review of select grammar topics. Selected cultural and literary readings centering on contemporary Spain and Latin America will form the basis for classroom discussions and presentations. Speaking the language is greatly stressed at this level.

SPN 302I - Advanced Spanish II, 4 credit hours

Notes: Required of all Spanish majors. Equivalent to the former SPN-335I course.

Prerequisite(s): SPN 202 or equivalent.

This course will focus on further refining and strengthening students' command of advanced grammar topics studied in Intermediate II (SPN 202) while developing the ability to produce formal academic arguments in Spanish. Selected cultural and literary readings centered on contemporary issues in the Spanish-speaking world will form the basis for classroom discussions, writing workshops, essay assignments, and a formal research project.

SPN 303I - Introduction to Hispanic Literature, 4 credit hours

Notes: Required of all Spanish majors and minors. Equivalent to the former SPN-275I course.

Prerequisite(s): SPN 301I or SPN 302I

An introduction to the study of literary texts in Spanish while reading a selection of major authors and literary genres from Spain and Latin America through the centuries. Students will develop the reading, writing, and formal analysis skills that will prepare them for more advanced courses in the major and minor while gaining a basic aesthetic appreciation of Hispanic literature and arts. While reading and analyzing prose, poetry, essay, drama and relevant secondary texts, students will become acquainted the linguistic nuances of the Spanish language as well as become familiar with the historical context and the rich vocabulary presented by the primary texts.

SPN 310I - Spanish Culture and Civilization, 3 credit hours

Prerequisite(s): SPN 202 or equivalent.

A study of the historical and social development of Spanish culture and civilization.

SPN 311I - Spanish-American Civilization, 3 credit hours

Prerequisite(s): SPN 202 or equivalent.

A study of the historical, political, economic and cultural development of Latin America.

SPN 350 - Special Methods Language Teaching, 3-4 credit hours

Notes: Required of all students seeking a license to teach.

See EDU 350-357.

SPN 375I - Survey of Spanish Literature, 3 credit hours

Prerequisite(s): SPN 303I or equivalent.

A study of the major literary movements, representative authors and selections from their works from the 12th century to the 20th century. Short stories, poetry, essays and the theater are included.

SPN 376I - Survey of Spanish-American Literature, 3 credit hours

Prerequisite(s): SPN 303I or equivalent.

A study and interpretation of a select number of major literary works from Latin America.

SPN 463 - Seminar, 3 credit hours

Prerequisite(s): Advanced standing and permission of instructor.

SPN 463 is intended to be a capstone seminar which builds on a significant understanding of Hispanic Studies. Topics may vary. Students may take the course twice if different topics are offered.

Sustainability

SUS 070X - Sustainability Internship, 1-12 credit hours**SUS 150I - Humans & The Earth: Can We Coexist?, 3 credit hours**

This team taught course examines global environmental issues, such as climate, energy, development, biodiversity, and population from interdisciplinary perspectives. These perspectives will vary depending upon the academic disciplines of the three faculty members who instruct the course. Students in the old core will satisfy three core

credits, either in the sciences (BIO 150I), the social sciences (ECN 150I/POL 150I), or the humanities (HUM 150I) and an International course requirement. Offered as SUS 150I, BIO 150I, HUM 150I, ECN 150I, and POL 150I in the new core, the the course satisfies the Interdisciplinary requirement and is counted towards the International requirement. Humans and the Earth is also a required course for the Sustainability Program major and minor. It may be counted towards the requirements of the Sustainability Program Certificate.

SUS 363 - Integrated Sustainability Topics, 3 credit hours

Prerequisite(s): *At least nine (9) credit hours of completed courses listed in the Sustainability major with three different prefixes; and Humans and the Earth (POL/BIO/HUM/ECN 150I) or at least 45 completed credit hours.*

Contemporary sustainability issues are inherently complex and demand the integration of knowledge and skills from different disciplines to fully address them. Courses will take an integrative, in-depth approach to investigate one topic or theme in sustainability. In order to facilitate an interdisciplinary learning experience, the courses will be taught by two faculty members from different disciplines. Specific topics will vary.

SUS 400 - Sustainability Capstone, 3 credit hours

This team-taught course explores a prominent sustainability theme to be determined by the instructors. Examination of the theme will be broadly and intentionally interdisciplinary, drawing as widely as possible upon knowledge, skills, and learnings obtained in those courses in the major. It will have an inherent problem-solving focus based upon a "real world" sustainability issue. The course will include a significant team-based project that engages students in an issue currently faced by significant social actors. Thus, it aims not only to integrate disciplinary knowledge and skills but also to apply those disciplines to real-life sustainability practice. One of its aims is to provide graduates with a significant team based, problem-solving experience that demonstrates important competencies in the emergent field of sustainability.

Theatre

THE 050(I) - Independent Study, Credit hours to be arranged

See Independent Study Program.

THE 070 - Internship, Credit hours to be arranged

Practical experience in any area of theatre.

THE 100 - Introduction To Theatre, 3 credit hours

Notes: Required of all theatre majors and minors

An introduction to the major ideas, influences and practices which shape theatre today. The emphasis of the course is to develop the student's critical ability to evaluate and appreciate theatre performance.

THE 135 - Singing for Actors, 2 credit hours

Notes: Required of all theatre majors in the acting track.

An introduction to the basic elements of singing, including physiological aspects of the singing process and expressive singing with an emphasis on development of individual performance skills. The purpose of the course is to aid students in becoming more marketable as professional actors.

THE 150 - Makeup for the Stage, 1 credit hour

Notes: Required of all theatre majors in the acting and directing track.

A basic course in the fundamental principles and practices of designing and applying stage makeup. Emphasis will be placed on the development of application techniques and familiarization with materials. Additional lab hours required.

THE 151 - Introduction to Acting, 2 credit hours

Notes: Required of all theatre minors

A basic course designed to introduce non-majors to the principles of acting. Emphasis is placed on body control, interpretation, improvisation and scene work.

THE 154 - Creative Dramatics, 2 credit hours

A course designed to familiarize the elementary/secondary school teacher with the use of creative dramatics in the classroom. Theory as well as practical application of the arts and crafts of theatre will be considered.

THE 160 - Acting I, 3 credit hours

This course focus on developing and refining the vocal and physical skills necessary to effectively perform a full range of dramatic texts, including verse. This is accomplished through practical voice work and its application to texts, including Shakespeare.

THE 161 - On-stage Experience, 1 credit hour

After being cast in a play, a student may register for credit for on-stage experience. Registration with instructor's permission only.

Graded: S/U

THE 162 - Backstage Experience, 1-2 credit hours

Notes: Two hours required of theatre majors and minors and dance minors.

A student may register for backstage work on plays being offered during the semester. Hours toward credit can include working in the scene or costume shop or crewing a show. Registration with instructor's permission only.

THE 169 - Acting on Camera, 3 credit hours

This course attempts to synthesize concept and technique through the directed practice of improvisational performance. This course is primarily active and participatory in nature. Relying on the communal / ensemble exercises provided in Spolin's "Improvisation for the Theatre", the student will explore the "seven aspects of spontaneity" and will learn to create narrative improvisations. Students will also explore concepts of character, behavior in environment, creating the who? what? and where? of dramatic scenes, creating from given circumstances, and will involve themselves with the special problems of improvisation in performance.

THE 175 - Stagecraft for the Actor, 2 credit hours

Notes: Required of all Musical Theatre Majors

An introduction of the basic stagecraft skills required of the actor working in a professional environment. Emphasis is placed on developing a knowledge and appreciation for all areas of stage design (scenic, costumes, sound, and lighting). Both lecture and laboratory experience is included. Students will be required to complete a practical component to the course by working on one of the stage crews.

THE 180 - Stagecraft, 3 credit hours

Notes: Required of all theatre majors and minors

A study of the principles and practices of stage scenery construction. Emphasis is placed on utilization of materials and appropriate technology. Both lecture and laboratory experience is included.

THE 190 - Script Analysis, 3 credit hours

Notes: Required of all theatre majors and minors.

Theory, analysis, and interpretation of scripts for the purpose of play production; an introduction to American and international playwrights, spanning 2,000 years.

THE 220 - Rendering Techniques, 3 credit hours

Notes: Required of all theatre majors in the design and technical studies track.

An introduction to rendering techniques required to communicate in technical theatre and design. Students will be encouraged to explore a variety of mediums and discover a personal style best suited to their artistic aesthetics.

THE 240 - Vectorworks, 3 credit hours

Notes: Required of all theatre majors in the scenic/lighting design and technical studies track.

This course covers the basics of learning how to draw in Vectorworks, a software program used in theatrical drafting, technical drawing and 3D modeling.

THE 250 - Audition Techniques, 2 credit hours

Notes: Required of all theatre majors in the acting and directing track. Take sophomore year.

Career development course focusing on audition fundamentals, marketing, resumes, headshots, on-camera training and monologue preparation.

THE 251 - Portfolio Presentation, 2 credit hours

Notes: Required of all theatre majors in the design and technical studies track. Recommended junior year.

Prerequisite(s): THE 220

Students will learn the fundamentals of creating a theatre design and technical portfolio. Emphasis will be placed on the presentation and critical evaluation of the artistic aesthetics. Students will also be required to create a professional website devoted to their creative and professional work.

THE 259 - Faculty-student Collaboration, Credit hours to be arranged**THE 260 - Acting II, 3 credit hours**

Notes: Required of all theatre majors in the acting and directing track.

Prerequisite(s): THE 160 or MUC 146

An intermediate acting course focusing on the teachings of Constantin Stanislavski. Performance skills are developed through character analysis, improvisation, monologues and scenes.

THE 261 - The Actor's Voice, 3 credit hours

Study and practice of fundamentals of vocal production: breathing, quality, articulation, projection, and expressiveness for the performing artist.

THE 263(IH) - Seminar, 2-4 credit hours

The study of topics relevant to the theatre. May be repeated more than once, provided the subject or topic is different.

THE 266 - Acting on Camera, 3 credit hours

Prerequisite(s): BFA in Acting only or permission of instructor

Students will apply the tools and vocabularies developed in acting studio work to acting for the camera. The mechanics, physical freedoms and limitations of particular camera shots will be examined. Students work on television and film scenes on camera, honing their text analysis and acting skills for the specific demands of digital media performance. Through rehearsal, taping, and reviewing scene work, students develop crucial skills for working on camera.

THE 270 - Collaborative Studies in Theatre, 3 credit hours

Notes: Required of all theatre majors and minors.

Prerequisite(s): THE 100, THE 190

This course is designed to improve the student's ability to collaborate on theatrical material by exploring the intellectual process required to communicate with colleagues. Emphasis will be placed on developing each student's artistic sensibility and their ability to articulate conceptual ideas.

THE 276 - Movement, 2 credit hours

Prerequisite(s): THE 160; BFA in Acting Only, or Permission of Department Chair

Students will explore spontaneous physical expression, refine stage presence and specificity, seek an awareness of control and range of movement, and find a sense of play. May include work in Clown, Commedia, Laban, dance, and other physical approaches.

THE 277 - Stage Combat I, 3 credit hours

An introductory course in the design, practice, and performance of theatrical violence. This course will focus on unarmed (or hand to hand combat) and single sword (or single rapier). Students will explore the techniques used to create the illusion of danger and the means by which we use violence to tell stories on the stage and screen. Focus will be places on safety, partnering and physical specificity. The course will culminate in a final performance of choreography set to a scene from classic dramatic literature.

THE 285 - Stage Management, 2 credit hours

Notes: Required of all theatre majors in the stage management/directing tracks.

Prerequisite(s): THE 100

A study of the principles and practice of stage management in commercial and non-commercial settings. The course will explore such areas as scheduling, cue-calling, and rehearsal procedures.

THE 286 - Theatre Management, 2 credit hours

Notes: Required of all theatre majors in the stage management track.

A study of the principles and practice of theatre arts management in commercial and noncommercial applications. The course will explore such areas as philosophy, objective financing and theatre promotion.

THE 288I - Theatre History I, 3 credit hours

Notes: Required of all theatre majors.

Prerequisite(s): THE 100 or MUC 146

A survey of the origin and development of Western theatre.

THE 289I - Theatre History II, 3 credit hours

Notes: Required of all theatre majors.

Prerequisite(s): THE 100 or MUC 146

A study of the foundations of modern theatre including American theatre history.

THE 328IX - Acting Shakespeare, 4 credit hours**THE 359 - Faculty-student Collaboration, Credit hours to be arranged****THE 360 - Acting III, 3 credit hours**

Notes: Required of all theatre majors in the acting and directing track.

Prerequisite(s): THE 260

This is a scene study class based in dramatic literature from the genre identified as classical realism. Scene work will be drawn from the playwrights Heinrich Ibsen and Anton Chekhov. Working the poetic imagery of these two playwrights is a preparatory step toward the denser imagery of Shakespeare's text. Also included in the course will be a study of the life and culture of 19th C Norway and Russia and the various cultural and historical forces that led to the creation these great works of dramatic literature.

THE 361 - Music Theatre, 2 credit hours

Prerequisite(s): THE 261 and BFA in Acting students or permission of instructor.

Study and practice of fundamentals of musical theatre.

THE 375 - Costume Construction I, 2 credit hours

Notes: Required of all theatre majors in the costume design track.

Students will be introduced to the methods and materials used to create theatrical costumes. Emphasis will be placed on developing skills in millinery, dyeing, draping, and costume construction.

Additional lab hours required.

THE 377 - Stage Combat II, 3 credit hours**Prerequisite(s):** THE 277

This class builds off the philosophies of Stage Combat I and introduces students to an advanced technique of Rapier and Dagger style theatrical combat. Focus is on safety, communication, precise technique and ways to build choreography into a performance ready and polished piece of work. The course will culminate in a final performance of choreography set to a scene from classic dramatic literature.

THE 382 - Scenic Design, 3 credit hours**Notes:** Required of all theatre majors in the design and technical studies and stage management tracks.**Prerequisite(s):** THE 180, THE 270

A study of the application of the elements of basic design to the art of scenic design for the theatre. The course explores the design process from the evolution of the design concept to the execution of renderings and model making.

THE 383 - Lighting Design, 3 credit hours**Notes:** Required of all theatre majors in the design and technical studies and stage management tracks.**Prerequisite(s):** THE 180, THE 270

A study of the theories and practice of lighting design with emphasis on the functions and the controllable properties of light. The course is designed to acquaint the student with practical application and effective utilization of lighting design.

THE 385 - Costume Design, 3 credit hours**Notes:** Required of all theatre majors in the design and technical studies track.**Prerequisite(s):** THE 270

This course is designed to introduce the student to the fundamentals of costume design. Emphasis will be placed on historical research, applying conceptual thought, and developing character. Students will be exposed to costuming materials and design techniques, as well as historical costume period.

THE 390 - Directing, 3 credit hours**Notes:** Required of all theatre majors in the acting and directing track and stage management track.**Prerequisite(s):** THE 180, THE 190, THE 260, THE 270

A study of the theories, processes and techniques of the stage director. The course will also focus on questions of play selection, analysis and research. Practical laboratory experience will supplement lecture/discussion.

THE 459 - Faculty-student Collaboration, Credit hours to be arranged**THE 460 - Acting IV, 3 credit hours****Notes:** Required of all theatre majors in the acting and directing track.**Prerequisite(s):** THE 360 or MUC 246X

An advanced acting course focusing on performance and analysis of period scenes and monologues.

THE 461 - Acting V, 3 credit hours**Prerequisite(s):** THE 460 and Senior Status or permission of instructor.

In a scene-study environment, this course will refine and implement advanced principles of the craft of acting for the theatre. Students will perform multiple scenes in a variety of styles. Particular emphasis will be placed on imaginative physical and vocal characterization, the ability to quickly render bold, dramatic acting choices, and the capacity to manage an accelerated work rate.

THE 463 - Seminar, 2-4 credit hours

The study of advanced topics relevant to the theatre. May be repeated more than once, provided the subject or topic is different.

THE 465 - Shakespeare in Performance, 4 credit hours

Prerequisite(s): ENG/THE 328IX

Students will gain a greater understanding of Shakespeare and the theatrical practices of his time through rehearsing and performing a full-length play at an outdoor performance venue. This work will expand and refine vocal and physical technique, and the abbreviated rehearsal and staging conditions will expose students to contemporary professional staging practices.

THE 475 - Costume Construction II, 3 credit hours

Notes: Required of all theatre majors in the costume design track.

Prerequisite(s): THE 375

Students will explore advance techniques in costume construction. Emphasis will be place on costume draping with accuracy in historical periods.

Additional lab hours required.

THE 480 - Advanced Stagecraft, 3 credit hours

Notes: Required of all theatre majors in the scenic/lighting design and technical studies track.

Prerequisite(s): THE 180

An advanced course in the art of stagecraft. Topics of study may include but are not limited to advanced scene construction, welding, rigging, props construction, lighting and scene painting.

Additional lab hours required.

THE 485 - Advanced Stage Management, 3 credit hours

Notes: Required of all theatre majors in the stage management track.

Prerequisite(s): THE 285

An advanced course focused on the professional stage manager covering topics on advanced management aspects such as rehearsal to performance, collaboration between directors and designers, how to lead a run crew, and practical skills from paperwork to calling a show.

THE 491 - Honors Courses, Credit hours to be arranged

THE 492 - Honors Courses, Credit hours to be arranged

THE 495 - Showcase, 2 credit hours

Prerequisite(s): BFA Acting majors with Senior Status only.

A performance-based course that bridges the actor's craft from educational to professional. Students will rehearse scenes and monologues, and learn practical skills for career development. The course will culminate in a 30-minute industry presentation for agents and casting directors in New York City.

Urban Studies

UST 050 - Independent Study, Credit hours to be arranged

UST 070 - Internship, Credit hours to be arranged