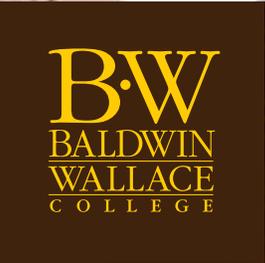


College Catalog



2010-2011

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This catalog is a source of general information and does not constitute an irrevocable contract between Baldwin-Wallace College and any person. The College 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 College and may apply to all prospective and matriculated students

ABOUT BALDWIN-WALLACE COLLEGE

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 College is an independent, coeducational college located in Berea, Ohio, a suburb southwest of Cleveland. Today, the College serves approximately 3100 full-time undergraduates, 800 part-time students in evening and weekend programs and over 700 graduate students in education and business administration.

The College maintains more than 50 academic programs within the following seven divisions: business administration, education, health and physical education, humanities, music, science and mathematics, and social sciences.

Non-Discriminatory Policy

Baldwin-Wallace College 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 College

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

The College 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 College values its historic relationship and active affiliation with the United Methodist Church. The College provides a supportive environment enhancing all students' intellectual, moral, and spiritual growth. The College respects the diversity of individual religious beliefs, including those who profess no religious viewpoint. All members of the College community are encouraged to participate in activities related to spiritual growth and development. The College 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 College 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 College community. As a United Methodist related school, Baldwin-Wallace College prepares students for lives of informed and mature leadership as global citizens in a diverse world.

Division III Athletic Philosophy Statement

Baldwin-Wallace College seeks to establish and maintain an environment in which a student's athletics activities are conducted as an integral part of the total educational experience. The college places highest priority on the successful completion of the academic program for all students.

In addition the college seeks to establish and maintain an environment that values cultural diversity and gender equity among their student-athletes and athletics staff.

To achieve this end, Baldwin-Wallace College

- (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 College is accredited by The Higher Learning Commission, a commission of the North Central Association. The address, telephone number and website for this accrediting body is 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504; 1-800-621-7440; www.ncahigherlearningcommission.org.

In addition, the College 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 American Association of Collegiate Schools of Business, and the American Association of Colleges of Teacher Education.

The undergraduate programs in music also are accredited by the National Association of Schools of Music and in elementary, secondary and all-grades education by the National Council for Accreditation of Teacher Education (NCATE). The College 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 Reading and Computer Technology. 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 Athletic Training Education Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

Approved plans of study are provided to prepare students for graduate study or for professional schools of medicine, dentistry, law, engineering, theology, art, library science, social service work, medical technology, physical therapy and forestry.

Majors, Minors and Other Undergraduate Academic Programs 2010-2011

MAJORS

Art:

History of Art
Studio Art

Biology

Business:

Accounting*
Business Administration*
Finance*
Health Care Management*
Human Resource Management*
International Business
Management*
Marketing*

Chemistry

Communication:

Applied Communication Studies (only A&CE)*
Broadcasting and Mass Communication
Communication Disorders
Communication Studies
Film Studies
Public Relations

Computer Science:

Computer Information Systems -
Information Systems Analyst
Concentration
Network Analyst Concentration

Computer Science

Criminal Justice*

Digital Media and 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.)

Adolescent/Young Adult (7-12)

(students must select one of the
following teaching fields):

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

Multi-Age (preK-12) (students must
select one of the following teaching
fields):

Foreign Language – French,
German, or Spanish

Health

Music

Physical Education

Visual Arts

Mild/Moderate Educational Needs (K-12)

English:*

English

Creative Writing

Foreign Languages and Literatures:

French

German

Spanish

Health and Physical Education:

Athletic Training

Exercise Science

Health Promotion and Education

Physical Education

Pre-Physical Therapy

Sport Management

History*

International Studies

Mathematics

Music:

Composition

Music Education (BME)

Music History & Literature

Music in Liberal Arts (BA)

Music Theatre

Music Theory

Music Therapy

Performance

Neuroscience

Organizational Leadership (only A/CE)*

Philosophy

Physics:

Physics

Physics-based Engineering Areas

Chemistry-based Engineering Areas

Political Science

Psychology*

Religion

Sociology*

Sustainability

Theatre

***Also available in Adult and Continuing Education.
Some programs may require some day classes.**

MINORS

Art

- History of Art
- Studio Art

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 Disorders
- Communication Studies*
- Film Studies
- Public Relations*

Computer Information Systems*

Computer Science

Criminal Justice

Diversity Studies

Economics

Education (for students seeking licensure in

- Adolescent/Young Adult or Multi-Age Education)**

English:

- Creative Writing
- Literature
- Writing

Foreign Languages and Literatures:

- French
- German
- Spanish

Gender Studies

Geology

Health and Physical Education:

- Athletic Coaching
- Child and Family
- Health Promotion and Education
- Orthopaedic Assessment and Treatment
- Personal Wellness
- Recreation

History*

International Studies

Leadership Studies*

Mathematics

Music

Music with Emphasis in Arts Management

Neuroscience

Philosophy

Physics

Political Science*

Psychology*

Religion

- Sociology*
- Sustainability
- Theatre

DUAL-DEGREE (3+2) PROGRAMS

Accounting and MBA

Computer Information Systems and MBA

Computer Science and MBA

Human Resources and MBA

Engineering (Chemistry- or Physics-based), affiliation with:

- Case Western Reserve University
- Columbia University

Social Work (Psychology- or

- Sociology-based), affiliation with:

- Case Western Reserve University

OTHER PROGRAMS OF CONCENTRATION

Arts Management

Medical Technology

Early Childhood Education Generalist

- Endorsement

Middle Childhood Education Generalist

- Endorsement

Pre-pharmacy

CERTIFICATE PROGRAMS

Accounting

Computer Information Systems:

- Network Option

- Database Option

Human Resource Management

Leadership

Organizational Development

Sustainability

***Also available in Adult and Continuing Education. Some programs may require some day classes.**

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

Section I

UNDERGRADUATE ACADEMIC PROGRAM

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 College 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, 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 College 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 natural sciences, psychology, mathematics, computer science, or computer information systems. 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.

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 College, see Section VII.

The College Core

All undergraduate students at B-W pursue a course of study sufficiently varied to acquaint them with a broad spectrum of human 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 Liberal Arts and Sciences (LAS 200); 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. Completion of a minor adds depth in a particular area of study, to balance the breadth provided by distribution requirements across the major disciplinary areas in the Liberal Arts and Sciences.

Specific area, course and credit requirements for fulfillment of the College core are described in Section VI.

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 College may major in any course of study offered by the College. There are no other requirements for admission to or continuation in any major except for the Bachelor of Music and Bachelor of Music Education programs, the certification programs of the Division of Education, and the Sports Medicine/Exercise Science Major, Athletic Training Concentration Education 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. Not more than 60 credits from a single department will be accepted toward the minimum credits required for graduation except for the degrees of Bachelor of Music, Bachelor of Music Education and Bachelor of Science in Education.

Transfer students are required to complete at least 40% in their major field of study at B-W. 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 College 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 College.

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 division, 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 College 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 College.

For a complete listing of all undergraduate majors and minors, see pages 5 and 6. Specific major and minor requirements, course descriptions and other programs of study are described in detail in Section VI of this catalog.

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	*	Freshman forgiveness. First attempt not in GPA
D	1.000	T	Temporary grade for continuing course, work must be validated by subsequent letter grade to count for credit
D-	0.667	F#	Failure for non-attendance of class
F	0.000		

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 WA are not used in computing GPA.

A GPA Calculator can be found at <http://www.bw.edu/resources/registration/gpa/>

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 not 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 College 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 LAS 200, 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 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 **Freshman Forgiveness Policy** for an alternative option available to students during their first 32 hours of coursework.

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, no record of the student's participation in the course will appear on the transcript. Changes from audit credit may not be made after the first week of the semester.

Freshman Forgiveness Policy

A course that a student takes during the first 32 credit hours of his or her academic career can be repeated. The grade obtained in the first attempt is removed from the calculation of the GPA and is designated with a symbol (*) signifying that the course was repeated and that the original grade is not included in the GPA calculation. The grade obtained on the second attempt is used to calculate the GPA, even if it is lower than the first attempt.

A course can only be repeated once under this policy. The credits of the repeated course count only once toward graduation requirements.

This policy does not apply to students transferring 32 or more credit hours; it applies, however, to students who are transferring fewer than 32 credit hours, as long as the course that is repeated was taken at Baldwin-Wallace College before the student earned 32 credits.

A course must be repeated at Baldwin-Wallace College the following semester, or the semester during which it is next offered, for the student to be able to benefit from this policy. Any course can be repeated under this policy, as long as the first attempt was taken at B-W within the first 32 credit hours of college work of the student.

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. These 124 credits must include the requirements for a major and a minor in an academic area, in addition to the general core curriculum requirements.
2. Students must have at least a 2.00 grade point average.
3. All financial obligations to the College must have been met.
4. Students are required to complete 32 of the 124 credits, or one-fourth of their academic program, required for graduation at B-W. Special requests for transient status in the last 32 semester hours must be approved by the Registrar.
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 in the Registrar's Office.
8. Graduating seniors are expected to attend the Commencement exercises, unless they have notified the Office of Registration and Records in writing that they do not plan to participate.

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 40 of the 124 credit hours, or one-third of their academic program, 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 Academic Dean. Any day, evening or weekend student who achieves a GPA of at least 3.6 for seven or more graded hours in fall or spring semester will be placed on the Dean's List. The criteria for Summer Dean's List is achievement of a GPA of 3.6 for at least five cumulative credit hours. The Dean's List is published each semester. Any pending grades must be removed before the GPA for that semester is established. To be eligible for Dean's List, no student may have a grade of U (unsatisfactory), I (incomplete) or WX (withdraw failing).

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 college, and who are full-time first-semester sophomores at Baldwin-Wallace College. The College 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 Office of Academic Advising.

Alpha Sigma Lambda

Alpha Sigma Lambda is the national honor society for Adult and Continuing Education students. The local chapter, Beta Upsilon, is one of more than 300 throughout the country. It is an active chapter which sponsors campus and philanthropic events. It recognizes outstanding full-time and adjunct faculty through special awards and sponsors campus scholarships open to all qualifying Adult students. Membership selection occurs once a year and is based on a grade point average of at least 3.2 for 24 or more credit hours earned at Baldwin-Wallace plus evidence of volunteered campus and/or community leadership.

Dayton C. Miller Gold Key Society

The Dayton C. Miller Gold Key Society was founded at Baldwin-Wallace College in the fall of 1948. Although the name has changed slightly, the Society's purpose was then and continues to be the recognition of academic excellence. Each year the top 100 current undergraduate students are selected as members for consistently maintaining superior academic work. Eligibility includes a minimum of 32 semester hours attempted and 70 semester hours earned.

2010-11 Academic Calendar

The Academic Calendar for the 2010–11 school year can be found at <http://www.bw.edu/resources/registration/info/calendar/20082009/20092010/20102011/>

Academic Assessment Program

As stated in the College mission, Baldwin-Wallace College 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 College has developed a comprehensive plan to assess student academic outcomes. By determining what Baldwin-Wallace students learn, the College 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' college 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 College 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 college-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 College.

Section II

UNDERGRADUATE ACADEMIC OPPORTUNITIES

In addition to established courses and programs of study that fulfill requirements for the College 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, literature and English composition, French, German, government and politics, U.S. and European history, Latin, mathematics, physics, psychology, and Spanish.

Baldwin-Wallace College 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/resources/registration/info/AdvancedPlacement/>

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 College 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/resources/registration/info/ib>

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 (English composition, humanities, natural science and social sciences) and a number of subject examinations ranging from American Government through Western Civilization. Baldwin-Wallace College is a CLEP Test Center.

The faculty of the College 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 college 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 college 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 in the Adult and Continuing Education office or the B-W web site at <http://www.bw.edu/clep>.

Prior Learning Assessment

To participate in Prior Learning Assessment, the student must enroll in the two-credit course, COL 163, which helps students identify college-level learning already acquired, relates it to the curriculum at B-W, and assists the student in developing a portfolio. Regular tuition fees are charged for the course. The student must have completed an English composition course at B-W or another educational institution and at least six semester credit hours at B-W prior to course entry.

As part of the completion of COL 163, the student develops a portfolio to document college-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.

For more information, go to www.bw.edu/lifelearn/current/explearn/pla.

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.

www.bw.edu/coursecatalog/dtp

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 College 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.

www.bw.edu/resources/dean/fscs

Independent Study Program

Independent study is designed to encourage the study of academic topics beyond those included in the course offerings of the College, 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.

www.bw.edu/resources/dean/isp

Internship Program

Internship projects are defined as individualized professionally-oriented experiences 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 Orientation Workshop.

www.bw.edu/resources/dean/fei

Course Assistants (060)

Course Assistants are undergraduate students who work with B-W 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 College 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 College for some of these courses.

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 college 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 college education. Whether his/her major is art history, 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 B-W. However, studying away fosters the type of personal and professional growth that may be difficult to experience on campus.

www.bw.edu/academics/study-abroad

Carmel Living Learning Center

The Carmel Living Learning Center (CLLC) provides a residential setting for B-W students who have similar academic goals and interests and who are also enrolled in at least one common course each semester during the academic year. The CLLC offers a collaborative living and learning environment that incorporates increased student-faculty interaction in the context of

social and academic networks designed to enhance the educational experience. The specific program options for each academic year are developed by B-W faculty and described at <http://www.bw.edu/academics/carmel/programs>. Students apply for residence in the CLLC and admission into the academic programs on a yearly basis. CLLC program faculty both teach the classes and work with the Student Affairs personnel to design a learning process that enriches the academic experience through appropriate co-curricular assignments and activities. CLLC courses may count toward the college core or appropriate majors.

Adult and Continuing Education

Baldwin-Wallace has been active in adult education programs since 1947 and continues to provide adult learners with a rigorous curriculum and a number of services designed especially for them. The Adult and Continuing Education Program is designed specifically to meet the needs of adult students. Degree-seeking students entering the program will find that course formats accommodate the special time constraints of working adults. Degree completion and certificates available to adult learners are designed with optimal flexibility and convenience. Course options, including formats and times, provide choices while responding to an adult's sense of urgency for degree completion.

Adult and Continuing Education 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. www.bw.edu/lifelearn/programs/

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 Saturdays beginning at 8:00 a.m. or 11:15 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 completed in just one week, following a Saturday - Sunday - Wednesday - Saturday - Sunday format (unless otherwise noted). The classes usually meet from 9:00 a.m. until 5:00 p.m. each of the five days. In addition, an advance or pre-assignment is required and possibly a post-completion assignment 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. 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 College's online course management system, will be utilized. Organized and self-disciplined students are encouraged to try the hybrid course format. Enrollment is strictly limited.

Section III

ACADEMIC SUPPORT SERVICES

Academic Advising

Academic Advising at Baldwin-Wallace College is a developmental process of faculty members working with students to strategize, plan and critique decisions 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 College. Advising for full-time, undergraduate day students is provided by faculty and Learning Center specialists and is coordinated by the staff of the Office of Academic Advising. Every student who has declared a major will be advised by that department or division. A student whose major is undecided is advised by a faculty member in a department of interest, a faculty member who works with undecided students or by the director of the Office of Academic Advising.

Students should come to the Office of Academic Advising, located in Bonds 106, 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 www.bw.edu/resources/advising, call 440/826-2188, or e-mail at advising@bw.edu

Career Services

The Office of Career Services at Baldwin-Wallace (B-W) College is a comprehensive career services office that integrates one-on-one career advising and web based technologies to educate B-W students with the necessary skills 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 college to career. We do this by:

- Offering students resources and assessment tools for self-discovery, academic major selection 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 employers through our annual Career and Internship Expo, the Northeast Ohio Teacher Education Day job fair, Employer Meet & Greets, the B-W Career Network, and through our On Campus Recruiting Program.

For more information about Career Services, visit www.bw.edu/career

Graduate Study

The College 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 a graduate school workshop each semester and extensive resources on graduate programs and admission tests. The College also maintains a library of information in Ritter Library relating to graduate and

professional programs, graduate fellowships and graduate scholarships.

Baldwin-Wallace offers two graduate degrees, Master of Business Administration (www.bw.edu/academics/bus/programs) and Master of Arts in Education (www.bw.edu/academics/mae).

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. www.bw.edu/resources/infotech

Ritter Library

Ritter Library has a book collection of more than 200,000 volumes. The Library subscribes to approximately 500 print journals and provides on-line electronic access to over 45,000 journals. More than 250 on-line databases are available for student use, including EBSCO databases, Academic Search Complete, Lexis-Nexis, and PsycINFO. Through OhioLINK, an Ohio-wide academic library consortium, Baldwin-Wallace students have borrowing privileges at most of Ohio's other academic libraries. Ritter's professional staff assists students in using the collection and advising about access to off-campus resources. Ritter Library's has 36 computer workstations for student use and 16 laptop computers which students can check out for use in Ritter Library.

The Learning Center

The Learning Center is committed to assisting students in acquiring knowledge, skills, and attitudes necessary to become responsible, independent, and active learners in an ever-changing society. The staff provides the following academic support services to students:

- Free peer tutoring including math assistance in the Drop-In Math Tutor Lab
- Learning and study skills classes
- Test preparation and analyses
- Personalized time management assistance
- Individual consultations
- Academic advising

www.bw.edu/resources/learn

The B-W Writing Lab

The B-W Writing Lab provides an opportunity for those who do not have departmental tutors to come for assistance with writing problems. The Lab offers professional tutors who help on a one-time or continuing basis with anything from generating a thesis to developing and organizing ideas, to providing guidance regarding documentation, style, and mechanics. Proofreading services are not provided. The Lab also has a library of writing reference books and files of helpful handouts.

ASSIST Program

This program is an alternative to academic suspension. When a student's grade point average falls below College requirements, the student is referred to the ASSIST program where his or her academic strengths and weaknesses are evaluated. Additionally, the student is offered assistance in college study skills and time management, is made aware of campus resources, and receives assistance in understanding the attitudes and behaviors necessary to becoming a successful student.

Disability Services for Students

The College will endeavor to provide reasonable accommodations for all students with documented disabilities while ensuring the academic integrity of its programs. Students with disabilities who are seeking accommodations should contact the Office of Disability Services, 207 Ritter Library. For more information, see

www.bw.edu/stulife/judicial.policies/disability/index.html

Baldwin-Wallace College does not discriminate in admission or treatment of students on the basis of disability. The College is committed to compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act as follows:

Section 302 of the 1990 Americans with Disabilities Act

"No individual shall be discriminated on the basis of disability in the full and equal enjoyment of the goods, accommodations of any place of public accommodation by any person who owns, leases (or leases to), or operates a place of public accommodation."

Section 504 of the 1973 Rehabilitation Act

"No otherwise qualified, handicapped individual in the United States shall solely, by reason of his handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance."

Section IV

UNDERGRADUATE STATUS AND POLICIES

Criteria Related to Status

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 Probation

Students who are not making good progress toward meeting graduation requirements may be placed on academic probation. All students placed on academic probation for the first time will be required to enroll in COL122 Connections.

The basic goals of the probation system are threefold:

1. It serves to inform students when they are failing to meet the normal standards expected of college-level students;
2. It encourages students to spend more time on curricular activities;
3. It requires the student to reevaluate the motivation that prompted him/her to seek admission to the College and to consider whether or not these goals might better be pursued in some alternate course of action.

Since there are two distinct grading systems in use, two criteria to measure academic performance are used. These criteria are:

1. The semester and the cumulative grade point averages (GPA), computed on the basis of that portion of the student's course work which is graded on a letter-grade basis.
2. The percentage of hours attempted in which a grade of "U" is earned.

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

Hours Attempted or Earned (whichever is greater)	Minimum Cumulative GPA Required	Maximum Ratio: Hours of "U" to Hours Attempted
1-11	—	—
12-26	1.70	0.30
27-42	1.80	0.20
43-59	1.90	0.15
60-124	2.00	0.10

Categories of Academic Performance

There are three categories of academic performance recognized by the College:

Good Standing — Students who are making satisfactory progress toward the completion of their degree requirements (see above). Special students are expected to maintain a 2.00 GPA each semester to remain in good standing.

Academic Probation — Students who for the first time have failed to meet the minimum levels of academic performance specified under the category “Good Standing.”

Academic Suspension— Former students whose permission to register has been revoked because of failure to meet the minimum academic requirements specified above and below. 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, page 37).

Probationary Status

Students on academic probation may be subject to the following restrictions:

1. They may not hold any office or leadership role in any student or College organization or activity.
2. They may not participate in April Reign activities.
3. They may not pledge, nor be initiated into, a national social fraternity or sorority.
4. They may not represent the College in any on- or off-campus event.
5. They are ineligible to participate in varsity athletics.
6. 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 for each student the GPA and the ratio of hours of “U” to hours attempted. An “I” grade will be referred to the Academic Appeals Board/Grievance Review Board for a ruling on academic standing.
2. Each student will be placed in one of the three categories of academic standing described above. The minimum requirements to be satisfied for good 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 that 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 either of the criteria discussed above will be placed on probation and will be subject to the restrictions described above. A student will be removed from probation when both the cumulative GPA and the ratio of hours of “U” to hours attempted or earned are above the required minimal levels.
4. A student placed on academic probation for the second time will be academically suspended. An exception to this would be a student who has completed fewer than 60 credit hours and earned a semester GPA of 2.00 or better for the previous semester. That student will be continued on probation while the record is reviewed by the Academic Appeals Board during the subsequent semester.
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. It is suggested that students who, in any semester, achieves a GPA of less than 2.00 consult their faculty advisor. Such students should consider the possibilities for improvement offered by the Learning Center and the Center for Academic and Professional Success.
7. A full-time student who, in any semester, receives a semester GPA of less than 1.00 or receives a grade of “U” in more than 75 percent of the hours attempted that semester will

- automatically be placed in the category of academic suspension. A full-time student who drops a course, is graded on 7-11 remaining hours, and earns a GPA below 1.00 will be placed in the category of suspension. If a full-time student receives an "I" grade in one or more courses, but the graded courses result in a GPA below 1.00, the case will be referred to the Academic Appeals Board for evaluation and a ruling of probation or suspension. 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.
8. 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 60 credit hours.

Reinstatement

When a student has been placed on academic suspension, the only way that the student may return is to be reinstated by the Academic Appeals Board. During the semester of suspension, or thereafter, the student may present a written application for reinstatement to the board. Applications for reinstatement can be obtained from the Academic Affairs Office or downloaded from the web (<http://www.bw.edu/resources/dean/forms>) and must be returned at least one month prior to the beginning of the semester in which the student hopes to return. The Board will study each case along with any supporting evidence from faculty and administrative personnel, parents, the student involved, and any other persons deemed by the Board to have pertinent evidence to offer. The Board will decide as a result of its study whether or not the student will be reinstated and, if so, the conditions under which reinstatement may occur, as well as the conditions which must be satisfied if the student is to remain eligible to register. The decision of the Board is final, although students may reapply in subsequent semesters. Unless permission has been obtained from the Academic Affairs Office, any work completed at another college while a student was suspended from Baldwin-Wallace will not transfer back to B-W unless approved by the Academic Appeals Board or the Dean.

Attendance Policy

The official non-punitive policy for college 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 College policy prevails. Furthermore, persons leading co-curricular activities will follow the official College 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 College 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 College 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 College charges and fees are due in full on Friday of the first week of the semester. Monthly account statements will assess 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.

Delinquent students 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 College 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 delinquent status.

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

For more information about financial obligations and refunds, go to www.bw.edu/resources/cashier/refunds

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. www.bw.edu/resources/dean/policies

Section V

ADMISSION & REGISTRATION

Applying for Admission to Baldwin-Wallace College

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 College.

Baldwin-Wallace College has a rolling admission policy; however, it is strongly recommended that high school seniors apply between September and March of their senior year. Priority admission and scholarships are given to students applying prior to March 1. Applications should be received no later than May 1. Transfer and adult students should apply at least 6 weeks prior to the beginning of the semester. B-W notifies applicants approximately 2–4 weeks after all required application information and forms are received by the Office of Admission.

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

For more information on applying to B-W, go online to www.bw.edu/apply.

First-Time Undergraduate Students

Admission to the College is offered on a selective basis. To be considered for admission, candidates must submit an application and fee, official high school or GED transcripts, results of the ACT or SAT examination or a graded writing sample in lieu of standardized testing, a teacher's recommendation, a personal essay and a summary of school and community activities. B-W requires that applicants have earned either a diploma from an accredited high school or the GED Certificate prior to enrolling at the College. Students who have been home schooled should consult with the Office of Admission.

While not required, an on-campus interview with an admission counselor is highly recommended. A campus visit provides the applicant an opportunity to share personal insights with a member of the Admission Committee, as well as the opportunity to evaluate the programs and atmosphere of the College.

The Admission Committee has determined that the following high school curriculum will best prepare most students for academic success at B-W: 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 typically rank in the top quarter of their high school classes, have 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 College 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.

Advanced Placement and International Baccalaureate Programs

Scores from these examinations will be considered for credit by the College. (See page 14.) Further information about Advance Placement credit can be found at www.bw.edu/resources/registration/info/AdvancedPlacement. Information regarding International Baccalaureate credit is found at www.bw.edu/resources/registration/info/ib.

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.

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 calling Conservatory Admission, Conservatory of Music, Baldwin-Wallace College, 275 Eastland Road, Berea, Ohio 44017-2088, toll free 1-866-BW-MUSIC; email music@bw.edu or go to the web site, www.bw.edu/conservatory.

For the policy on acceptance of Conservatory transfer students, see page 46.

Adult and Continuing Education Students

Adult students applying for admission to Baldwin-Wallace as an evening/weekend student are required to submit an application, official transcripts from all colleges and universities attended, and a letter of recommendation. The application fee is waived when students apply online at www.bw.edu/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 College. To talk to an admission counselor or learn more about adult programs, call 440-826-8012 or go to www.bw.edu/evening.

Adults may initially enroll at B-W 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 www.bw.edu/quickstart. This application allows a student to enroll as a part-time student for one semester before formally applying to the College 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 College. Post Baccalaureate Students apply using the Non-Degree application forms, which are available from the Admission Office (440/826-8012) or may be downloaded from www.bw.edu/apply. Students seeking to earn a second bachelor's degree, a teacher's license, or a certificate program completion must submit official college transcripts from each college or university attended.

B-W graduates seeking a second degree from B-W 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. B-W graduates seeking a second degree after an absence of 3 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

Transfer Students To All Divisions

Admission to the College 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/Individual 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 www.bw.edu/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 College.

Successful candidates for admission typically submit credentials from colleges and universities accredited by the Higher Learning Commission, 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.

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

Conservatory Transfer Students submit the transfer application, Conservatory audition portfolio, and participate in the audition process. The Conservatory reserves the right to assess all music **transfer** credits through placement examinations, particularly in the areas of Music Theory, Music History & Literature, and Applied Music. 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.

www.bw.edu/transfer

Transfer Credit

Courses which fall within the academic scope of the B-W 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 B-W. The College will transfer credit hours, but will not transfer quality points or grades.

Transfer students must fulfill the College's last 32 hours of their 124 hours of required course work, or one-fourth of their academic program, in residency, as well as all stated College and departmental requirements, to qualify for degree status.

Baldwin-Wallace will not accept transfer credits earned by examination from other institutions. College credit may be granted for training programs offered by business and industry as

recommended in the American Council on Education's *Guide to Educational Credit for Training Programs* and for previous military experience as recommended in the American Council on Education's *Guide to the Evaluation of Educational Experiences in the Armed Services*. 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 32 hours of the required 124 hours of course work, or one-fourth of their academic program is met in residency at Baldwin-Wallace. www.bw.edu/admission/transfer/credits.asp

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 College.

For more detailed information on Associate to Bachelor transfer programs, contact the Office of Admission or visit www.bw.edu/transferguides.

Dual Admission Program

The Dual Admission Program is a joint transfer program with Cuyahoga Community College that allows students to complete an Associate's degree at Cuyahoga Community College and also be granted admission to Baldwin-Wallace College. 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 accepted 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 B-W.

For more detailed information on the Dual Admission Program, please contact the Admission Office or check www.bw.edu/transfer.

International Students

Students from more than 20 nations are enrolled at Baldwin-Wallace College. International applicants must submit an application and fee, certified English translations of all official academic records beyond the primary level, the results of the TOEFL examination, two teacher recommendations, a personal statement of educational goals and a statement of financial support. For additional information, please contact the Office of Admission. Additional fees may be assessed for evaluation of transfer credit. Baldwin-Wallace College supports the American Association of Collegiate Registrars and Admission Officers (AACRAO), the International Bill of Rights and Responsibilities for International Students and Institutions.

Transient Course Work

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 B-W: The College may admit a student who has a minimum 2.0 GPA and is in good standing at another institution for specific course work at Baldwin-Wallace. This course work 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.

B-W students attending other institutions: Baldwin-Wallace College students may be approved to attend another fully accredited institution during an academic term and transfer credits to their degree programs at the College. A Transient Student Permit Form must be obtained from the Office of Registration and Records (440/826-2126). Students must be in good standing at the College. Course selections must be approved by both the academic department chairperson in whose department the course work will apply and the Registrar of the College.

Students completing courses at Cuyahoga Community College, Lakeland Community College and Lorain County Community College which are listed in the respective Transfer Guides do not need to obtain departmental approval.

Students are required to complete 32 semester hours of their required 124 hours of course work, or one-fourth of their, academic program, in residence at Baldwin-Wallace. Special requests for transient status in the last 32 semester hours must be approved by the Registrar. Transient course work transferred to the College 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 College in a comparable time period.

Returning Students

Former Baldwin-Wallace students seeking readmission after an absence should contact the Office of Registration and Records (440-826-2126). 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 College must follow the admission procedures for transfer students stated herein. Students who left B-W with a GPA less than 2.00 must apply as a returning student to the Office of Registration and Records.

Military Call to Active Duty Policy

Baldwin-Wallace College 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 Dean of Student's Office.

Any student who is called to active military duty should present his/her active duty orders to the Office of the Dean of Students. 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 College would not charge a student carrying charges on back balances while he/she is in the military.

Registration

Day Division: Students regularly enrolled in the Day Division will register on-line through Web Express for classes at times announced by the Registrar. Special registration days are scheduled for new students entering B-W for the first time.

Class schedules must be prepared by students with the assistance of their academic advisors to whom they have been assigned.

Adult and Continuing Education Program/Graduate Division: Students regularly enrolled in the Adult and Continuing Education Program and Graduate programs, including students entering B-W for the first time, may register in person, mail, fax or by the Web at times specified by the Registrar. Adult and Continuing Education and Graduate students are not required to prepare their schedules with the assistance of an academic advisor. However, advising is available upon request and is **highly encouraged**.

All Divisions: 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 College degree requirements.**

Classes may be canceled at the discretion of the College. In such instances, the students affected will be notified, and assistance in planning alternative schedules will be made available.

www.bw.edu/resources/registration

Full-time and Half-time Status

Undergraduate Divisions: Undergraduate students enrolled in a program of 12 to 18 credit hours per semester are classified as full-time students. The maximum course load per semester is 18 credit hours. Students are not permitted to exceed the maximum semester course load unless they have earned a cumulative grade point average of 3.00 or higher, and have received the written approval of their academic advisor and/or the Registrar. Undergraduate students enrolled in a program of 6 to 11 credit hours per semester are classified as half-time students.

Graduate Divisions: Graduate students enrolled in a program must take a minimum of 6 credit hours per semester to be classified as full-time students. Graduate students enrolled in a program with less than 6 hours per semester are considered half-time students.

Changes in Schedule

Day Division: Students may add and/or drop courses only during specified times announced by the Registrar. All seats are maintained on a space available basis. **No waiting lists are kept.**

Students must review proposed schedule changes with their academic advisors and have them approved by their advisor either electronically or by paper submission to the Office of Registration and Records. Failure to have a change approved will void any pending transactions. Change of Schedule forms are available at the Office of Registration and Records.

Adult and Continuing Education/Graduate Division: Students must submit schedule changes in person, by phone, or by fax directly to the Office of Registration and Records. Students may add and/or drop courses only during specified times announced by the Registrar. All seats are maintained on a space available basis. **No waiting lists are kept.**

All Divisions: Students may not add courses after the fifth day of the semester, or drop courses after the ninth week of the semester. After the ninth week of the semester, students may withdraw from a course without grade penalty only under unusual circumstances and with the approval of the Registrar. Courses offered in times/formats other than the traditional sixteen-week semester may have other specified add/drop periods. Consult the Registrar's web page for registration deadlines.

The responsibility to complete schedule changes in a timely and proper manner rests with each student. Students should consult the academic calendars printed on the Registrar's Web page 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 during the first nine weeks of the semester without academic penalty. A grade of "W" will be assigned for each course withdrawn. Courses offered in times/formats other than the traditional 16-week semester may have other specified withdrawal periods. Consult the Registrar's web page for withdrawal deadlines.

www.bw.edu/resources/registration/info/calendar

Students wishing to withdraw from classes after the deadline must submit a written petition and documentation of extenuating circumstances to the Office of Disability Services 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 and Records.

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. A Student Withdrawal/Leave of Absence form must be completed and returned to the Office of Registration and Records. The official date of withdrawal is the date that the completed form is submitted to the Office of Registration and Records.

Withdrawal from the College

Students who wish to completely withdraw from Baldwin-Wallace and who do not plan to return must communicate their intention to leave the College to their faculty advisor. They must then complete a Student Withdrawal form and collect the signatures of the designated College offices for approval. The signatures and completed form is then submitted to the Office of Registration and Records. 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 Evening/Weekend Program, the Office of Academic Advising, by assigned faculty advisors and appropriate academic divisional 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 College 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, student ID number, major field of study, degree(s) conferred (including dates), date of birth, class schedule, 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. Forms requesting the withholding of “Directory Information” are available in the Office of Registration and Records. A new form must be filed every academic year. **Baldwin-Wallace assumes that unless a student specifically requests withholding of categories of “Directory Information,” individual approval for disclosure is granted.**

Summer Semester

Undergraduate and graduate courses are offered during the summer. Undergraduate courses are offered in an eight-week summer session and are supplemented by immersion and hybrid 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 B-W East.

The full-time credit hour load for summer is defined as 7-10 credit hours. The Registrar may consider overloads for students with a 3.0 GPA or above.

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.

Section VI

UNDERGRADUATE PROGRAMS OF STUDY

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

Core Curriculum Requirements

All undergraduate students at B-W pursue a course of study sufficiently varied to acquaint them with a broad spectrum of human 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 Liberal Arts and Sciences (LAS 200); 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. Completion of a minor adds depth in a particular area of study, to balance the breadth provided by distribution requirements across the major disciplinary areas in the Liberal Arts and Sciences. Each core course provides an opportunity for students to develop their skills in at least two of the following areas: written communication, oral communication, critical thinking, quantitative literacy, computer/information literacy, and teamwork.

Liberal Arts and Sciences Core – Total semester hour credits: 43

Mathematics – 3 credit hour minimum

MTH 135, 136, MTH 137, or higher depending on major and minor.* Students majoring in Early Childhood Education or Mild/Moderate Educational Needs take MTH 111 (4 credits) and MTH 112 (4 credits) for core. Prerequisite: Registration into these courses (except for MTH 137) requires students to have scored at least 24 on the quantitative portion of the ACT or at least 560 on the quantitative portion of the SAT. 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 College 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 B-W 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	4	MTH 135
3, 4, 5	AP Calc- AB	4	MTH 141
3, 4, 5	AP Calc- BC	8	MTH 141, 142

English Composition – 3 credit hours

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 B-W. Students required to take ENG 111 should take it during their first semester at B-W, and should take ENG 131 no later than their third semester at B-W.

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

Placement	Placement Scores	
ENG 131	ACT 24 or above	SAT 550 or above
ENG 111	ACT 23 or below	SAT 540 or below

Students may challenge their placement in ENG 111 by writing an essay under supervised conditions at designated times on Orientation days or during the first week of their first semester at B-W.

Students seeking exemption from English 131 must qualify to take the challenge exam option through achieving or exceeding one of the following minimum scores: ACT English: Main (32), SAT Verbal/Critical Reading (670), CLEP (80%), AP English Literature and Composition (4), AP English Language and Composition (4), International Baccalaureate (6). Exempted students satisfy core requirements by fulfilling 40 hours rather than 43.

Liberal Arts and Sciences Foundation Course (LAS 200)– 3 credit hours

Liberal Arts and Sciences (LAS) 200 – Enduring Questions for an Intercultural World.

Prerequisites: Completion of ENG 131, and appropriate MTH placement score or completion of MTH 137. Students should complete LAS 200 within their first two semesters at B-W if they meet the prerequisites upon entry, and no later than their third semester if prerequisites must be completed first.

Humanities – 14 credit hours of core-designated coursework taken from the following areas:

Fine Arts – 4 hours from selected courses in: Art; Broadcasting; English; French, German, or Spanish Literature; Dance; Music; Philosophy; Theater (courses with “F” designation in the course number)

Cultural Heritage – 6 hours from at least two areas—History, Philosophy, Religion

General Humanities – 4 additional hours from any Humanities area listed above as well as Communication Studies, Communication Disorders, Chinese, Italian or courses with HUM-prefix

Natural Sciences – 7 credit hours of core-designated coursework, one of which must include a lab (indicated by an ‘L’ in the course number) from at least two of the following areas:

Astronomy	Geology
Biology	Physics
Chemistry	

Social Sciences – 8 credit hours of core-designated coursework from at least two of the following areas:

Asian Studies	Political Science
Criminal Justice	Psychology
Economics	Sociology
International Studies	

Liberal Arts and Sciences electives – 3 additional credit hours of core-designated coursework in Humanities, Natural Sciences or Social Sciences

Health and Physical Education – 2 credit-hour minimum

Students are required to take HPE 110W (Personal Wellness) and to fulfill the remaining HPE requirement with core-designated (W) activity, technique, or health and wellness courses.

International Studies

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 for at least three courses in an approved study abroad program.
2. Earning the equivalent of 15 credit-hours in an accredited college abroad.
3. Living abroad and attending a non-U.S. elementary or secondary school for at least one academic year.
4. Other experiences abroad as approved by the Core Curriculum Committee.

Coursework in International Studies (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 Studies core requirement does not apply to Music Education majors.

Diversity Studies (courses with a 'D' designation)

Students must complete one course designated as meeting the domestic diversity requirement. Courses that fulfill the Diversity Studies 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 Studies 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.

Minor

Students must complete a minor*. (A second major will also satisfy this requirement.) A student may fulfill the minor requirement in any department or division, as long as the minor selected is not identical to the student's major.

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

See <http://www.bw.edu/resources/registration/info/core/class/> for a complete list of courses that meet each component of the core.

Letter Designations:

D = Diversity Studies
F = Fine Arts

H = Honors Course
I = International Studies

L = Lab Science
W = HPE Course

ART & ART HISTORY

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 three areas of concentration: Art Education, History of Art, 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 or the history of art).

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

History of Art Major

Computer Code: ARTH

Minimum credits required: 39

Required courses (* = Prerequisite Required)

History of Art--35 credits required

ART	231IF	Western Art I	4 credits
ART	232IF	Western Art II	4 credits
ART	234F	Survey of American Painting and Sculpture	3 credits
ART	235(IF)	Topics in Non-Western Art	3 credits
ART	331IF	Northern Medieval Art	3 credits
ART	332IF	Southern Medieval Art	3 credits
ART	333IF	Northern Renaissance Art	3 credits
ART	334IF	Southern Renaissance Art	3 credits
ART	335F	American Architecture and Urban Planning	3 credits
ART	431IF	Nineteenth Century Art	3 credits
ART	432IF	Twentieth Century Art	3 credits

Studio Art--4 credits required

ART	115F	Two Dimensional Design	2 credits
ART	117F	Color Theory	2 credits

Twenty-four hours of History of Art courses must be taken at Baldwin-Wallace.

If a student majoring in the history of art anticipates applying to a graduate program in the discipline, it is recommended that the student obtain a French 102 or German 102 proficiency before the completion of undergraduate work. A list of recommended courses for the major can be obtained from the head of the history of art area.

Seminars are offered, but are not required as part of the major and are not substituted for stated requirements.

Studio Art Major

Computer Code: ARTS

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

Minimum credits required: 49 (plus prerequisites as indicated)

Required courses (* = Prerequisite Required)

Studio Art Foundation--22 credits required

ART 110F	Drawing I	2 credits
ART 111F	Drawing II	2 credits*
ART 212	Drawing III	2 credits*
ART 115F	Two Dimensional Design	2 credits
ART 116F	Three Dimensional Design	2 credits
ART 117F	Color Theory	2 credits
ART 213F	Introduction to Painting	2 credits
ART 216F	Introduction to Ceramics	2 credits
ART 222F	Introduction to Photography	2 credits
ART 246F	Introduction to Sculpture	2 credits
ART 248F	Introduction to Printmaking	2 credits

Studio Art Emphasis-- 6 credits required

(Choose ONE of the following programs)

Ceramics

ART 217F	Intermediate Ceramics	2 credits*
ART 318	Advanced Ceramics	2 credits*
ART 318	Advanced Ceramics (taken again for credit)	2 credits*

Painting

ART 214F	Intermediate Painting	2 credits*
ART 315	Advanced Painting	2 credits*
ART 315	Advanced Painting (taken again for credit)	2 credits*

Photography

ART 220F	Digital Photography	2 credits
ART 323	Advanced Photography	2 credits*
ART 323	Advanced Photography (taken again for credit)	2 credits*

Printmaking

ART 225F	Introduction to Photoshop	2 credits
ART 349	Advanced Printmaking	2 credits*
ART 349	Advanced Printmaking (taken again for credit)	2 credits*

3D Studies

ART 230F	Introduction to Jewelry and Metal Design	2 credits
ART 330	Advanced Jewelry and Metal Design	2 credits*
ART 347	Advanced Sculpture	2 credits*

Studio Art Electives-- 6 credits required

Choose 3 courses from Studio Art at the 300 level

History of Art--14 credits required

ART 103FD	Art of Our Time	3 credits
ART 231IF	Western Art I	4 credits
ART 232IF	Western Art II	4 credits
ART 432IF	Twentieth Century Art	3 credits

Junior/ Senior Seminar-- 2 courses required 1 credits

ART 363	Junior Seminar- Portfolio Review & Critique	0 credits
ART 463	Senior Seminar- Senior Art Exhibit	1 credit

Art Education Major**Computer Code: ARTE**

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 (* = Prerequisite Required)

Studio Art--32 credits required

ART 110F	Drawing I	2 credits
ART 111F	Drawing II	2 credits*
ART 212	Drawing III	2 credits*
ART 115F	Two Dimensional Design	2 credits
ART 116F	Three Dimensional Design	2 credits
ART 117F	Color Theory	2 credits
ART 222F	Introduction to Photography OR	2 credits
ART 225F	Introduction to Photoshop	2 credits
ART 213F	Introduction to Painting	2 credits
ART 246F	Introduction to Sculpture	2 credits
ART 216F	Introduction to Ceramics	2 credits
ART 248F	Introduction to Printmaking	2 credits
ART 328	Materials and Techniques	2 credits

Required Studio Elective Hours	8 credits
History of Art--20 credits required	
ART 102IF Art Appreciation	3 credits
ART 231IF Western Art I	4 credits
ART 232IF Western Art II	4 credits
ART 234F Survey of American Painting and Sculpture	3 credits
ART 235F Topics in Non-Western Art	3 credits
One Upper Level Art History Course	3 credits

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

Minor in History of Art

A minor in art concentrating in the history of art consists of a total of 20 hours, including ART 231IF, 232IF, and 234F, and 235F, and two 300 or 400 level courses. A maximum of one transferred course from another institution can help comprise the minor in art history.

Minor in Studio Art

A minor in art concentrating in the studio area consists of a total of 18 hours including ART 110F, 115F, 116F, 232IF, plus four studio courses of the student's choice.

Art and Art History Course Descriptions

History of Art

ART 050	INDEPENDENT STUDY	One to four credit hours
See Independent Study Program, Section II.		
ART 070	INTERNSHIP	One to twelve credit hours
See Internship Program, Section II.		
ART 259,359,459	FACULTY-STUDENT COLLABORATION	Credit hours to be arranged
See FSC Program, Section II.		
ART 102IF	ART APPRECIATION	Three credit hours
A study of the meanings of visual form and imagery in architecture, painting and sculpture. Not recommended for art majors who have a history of art emphasis; required of art education majors. <i>Offered every semester.</i>		
ART 103FD	ART OF OUR TIME	Three credit hours
A look into major trends in American painting, sculpture and architecture since 1945, emphasizing their exciting and meaningful relations in contemporary life. <i>Offered every semester.</i>		
ART 231IF	WESTERN ART I	Four credit hours
A survey of Pre-historic, Ancient, Early Medieval, Islamic, Romanesque, Gothic and Northern Renaissance art. <i>Offered Fall or Spring semester every year.</i>		

- ART 232IF WESTERN ART II Four credit hours**
 A survey of art from the Italian Renaissance to the Modern period, including Baroque, Neoclassicism & Romanticism, Realism, Impressionism, Post-Impressionism, Cubism, Dada & Surrealism, Abstract Expressionism and Pop Art. *Offered Fall or Spring semester every year.*
- ART 234F SURVEY OF AMERICAN PAINTING AND SCULPTURE Three credit hours**
 A survey of American painting and sculpture from the colonial era to World War II. *Offered every other year.*
- ART 235IF TOPICS IN NON-WESTERN ART Three credit hours**
 A survey of the art of China, India, Japan, Africa or Pre-Colombian areas. *Offered every other year.*
- ART 236IEF EUROPEAN MUSEUMS AND ARCHITECTURE Two credit hours**
 Art and architecture to be seen while with the Seminar in Europe tour will be studied and discussed. Required of all participants. Course fulfills International Studies and Fine Arts Core credit.
- ART 237IEF ART OF EUROPE OR ASIA Four credit hours**
 Title of course will vary each year. An intensive, two week, on-site investigation of the art in a specific region of Europe or Asia. Course fulfills International Studies and Fine Arts credit in the Core. Additional fees are required for participation in this course.
- ART 263 SEMINAR IN ART HISTORY One to three credit hours**
 Areas of specialized interest are offered.
- ART 331IF NORTHERN MEDIEVAL ART Three credit hours**
 A study of the art of Western Europe from the Carolingian period to the 15th century. *Offered every other year.*
- ART 332IF SOUTHERN MEDIEVAL ART Three credit hours**
 A study of the Christian art of the western Mediterranean region to the 14th century and the art of the Byzantine Empire to the 15th century. *Offered every other year.*
- ART 333IF NORTHERN RENAISSANCE ART Three credit hours**
 A survey of the art of the Netherlands, France, Germany and England from 1400-1600. *Offered every other year.*
- ART 334IF SOUTHERN RENAISSANCE ART Three credit hours**
 A survey of the art of Italy from 1300 to 1520. Emphasis is placed on major artists of the 15th and early 16th centuries. *Offered every other year.*
- ART 335F AMERICAN ARCHITECTURE AND URBAN PLANNING Three credit hours**
 A study of American architecture and urban planning from the colonial era to the present with Cleveland serving as an appropriate case study. *Offered every other year.*
- ART 431IF NINETEENTH CENTURY ART Three credit hours**
 A study of European art from the French Revolution in the 1780s to the rise of modernism in the 1880s, emphasizing the works of major painters and sculptors. *Offered every other year.*
- ART 432IF TWENTIETH CENTURY ART Three credit hours**
 A study of the history of art in Europe and America from 1900 to 1945. *Offered every other year.*
- ART 491,492 DEPARTMENTAL THESIS/PROJECT Credit hours to be arranged**

See [Departmental Thesis/Project, Section II.](#)

Studio Art

ART 050 INDEPENDENT STUDY One to four credit hours

See [Independent Study Program, Section II.](#)

ART 110F DRAWING I Two 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 111F DRAWING II Two credit hours

Prerequisite: ART 110F

An extension of ART 110F 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 115F TWO DIMENSIONAL DESIGN Two 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 116F THREE DIMENSIONAL DESIGN Two 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 judgements.

ART 117F COLOR THEORY Two 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 Two credit hours

Prerequisite: ART 111F

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 213F INTRODUCTION TO PAINTING Two 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 214F INTERMEDIATE PAINTING Two credit hours

Prerequisite: ART 213F

An extension of ART 213F, 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 216F INTRODUCTION TO CERAMICS Two 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 217F INTERMEDIATE CERAMICS Two credit hours

Prerequisite: ART 216F

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 220F DIGITAL PHOTOGRAPHY Two 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 3 mega pixel camera or greater to complete the course.

ART 222F INTRODUCTION TO PHOTOGRAPHY Two credit hours

A study of the fundamentals of black and white photography as an art form. Various creative assignments acquaint the beginner with the taking of pictures, the processing of film, and the enlargement and mounting of final prints. Students must provide their own cameras (with manual adjustable shutter speeds and apertures).

ART 225F INTRODUCTION TO PHOTOSHOP Two 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 226F THREE-DIMENSIONAL COMPUTER IMAGING Two 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 230F INTRODUCTION TO JEWELRY AND METAL DESIGN Two 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 246F INTRODUCTION TO SCULPTURE Two 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 judgements.

ART 248F INTRODUCTION TO PRINTMAKING Two 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 judgements.

ART 263F SEMINAR One to three credit hours

Areas of specialized interest are offered.

ART 315 ADVANCED PAINTING Two credit hours

Prerequisite: ART 214F

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 Two credit hours**
Prerequisite: ART 217F
 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 One to two credit hours**
Prerequisite: Consent of the Instructor
 This course will focus on and explore techniques and materials not covered in ART 216F, 217F, 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 PHOTOGRAPHY Two credit hours**
Prerequisite: ART 222F
 A study of advanced darkroom procedures with emphasis on color transparencies, black and white experimental techniques, and digital imaging. Creative projects emphasize visual problem-solving, self-expression, and assessment through group critiques by learning to make critical aesthetic judgments. May be repeated for credit.
- ART 330 ADVANCED JEWELRY AND METAL DESIGN Two credit hours**
Prerequisite: ART 230F
 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 340 GRAPHIC DESIGN I Two credit hours**
Prerequisite: ART 225F
 Graphic Design I is intended to be a first course in computer aided page design. The course begins with learning how to skillfully combine images and text. As the course progresses, the focus becomes clean page layout and design. Students will create independent and creative solutions to a series of design problems.
- ART 347 ADVANCED SCULPTURE Two credit hours**
Prerequisite: ART 246F
 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 Two credit hours**
Prerequisite: ART 248F
 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 363 JUNIOR SEMINAR- PORTFOLIO REVIEW & CRITIQUE Zero credit hours**
Prerequisite: 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. Course is graded S/U.

ART 440 GRAPHIC DESIGN II Two credit hours

Prerequisite: ART-340

Graphic Design II is intended to be a continuation of the work begun in Graphic Design I and at its heart is about the skillful interaction of text forms and images into cohesive, clean designs. Students will learn the basic techniques, tools and processes used to construct a well-designed and effective web site while keeping the site's user in mind. Students will learn and demonstrate these concepts through exercises and a term project.

ART 463 SENIOR SEMINAR- SENIOR ART EXHIBIT One credit hours

Prerequisite: 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. Course is graded S/U.

Art Education

ART 328 MATERIALS AND TECHNIQUES Two credit hours

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.

ARTS MANAGEMENT PROGRAM

This program is designed to present an overview of skills and techniques required for managers of not-for-profit arts organizations as well as to introduce students to contemporary issues facing such organizations. The program consists of three components: a major or minor in fine arts, a major or minor in business, and special topic courses and internships in arts management. It is possible to complete a major in another field, two minors (one in fine arts and the other in business) and the arts management courses and internships and successfully complete the program. Because of the variety of career paths students in this program may take, faculty advising is a vital part of this program. Student needs, interests, background experience and future aspirations are used as guides to curricular recommendations which enable students to consider multiple options for graduate study or professional employment. For more information about Arts Management, contact program coordinator Bryan Bowser at (440) 826-2366 or bbowser@bw.edu.

Successful completion of the program will be indicated on the college transcript for students who successfully complete college and program requirements.

Program Requirements

Students enrolled in the program must choose a major field of study, a minor field of study and complete the dedicated Arts Management classes. Failure to complete the Arts Management classes will not prevent a student from graduating, although it will prevent satisfactory completion of the program from appearing on his or her transcript. The program consists at its minimum of the AMG courses, a specialized minor in fine arts, and a minor in Business. Minors may be replaced by a major in the same area where applicable.

There are three components to the program:

- 1- Arts Management component
- 2- Fine Arts component
- 3- Business Administration component

Arts Management Component

Minimum credits required: 15

Required courses (* = Prerequisite Required)

AMG 102	Intro to Arts Management	3 credits
AMG 270	On-Campus Internship	2 credits*
AMG 301	Public Relations, Marketing & Fundraising for the Arts Org.	3 credits*
AMG 401	Senior Experience	1 credit*
AMG 470	Internship	3 credits*

One Fine Arts Appreciation Course- Must be chosen from a different Fine Arts discipline than the student's Fine Arts component. 3 credits

Fine Arts Component

The Fine Arts component may be satisfied by completing any of the following options:

History Of Art Major	39 credits
Studio Art Major	33 credits
Minor in History of Art	20 credits
Minor in Studio Art	18 credits
Dance Minor	23 credits
Bachelor of Music, Music Major	126.5-137.5 credits
Bachelor of Arts, Music Major	41 credits
Music Minor	21 credits
Specialized Music Minor for AMG Program	17-18 credits
Theatre Major	46 credits
Theatre Minor	19 credits

Business Component

The Business component may be satisfied by completing one of the following options:

Business Administration Major	54 credits
Business Administration Minor	28 credits
Accounting Major	54 credits
Accounting Minor	25 credits
Finance Major	54 credits
Finance Minor	28 credits
Human Resources Major	54 credits
Human Resources Minor	24 credits
Management Major	54 credits
Management Minor	21 credits
Marketing Major	54 credits
Marketing Minor	21 credits
Entrepreneurship Minor	21 credits

Arts Management Program

Course Descriptions

AMG 102 INTRODUCTION TO ARTS MANAGEMENT *Three 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 270 ON-CAMPUS INTERNSHIP *One to two credit hours*

Prerequisite: AMG 102

See [Internship Program, Section II](#).

AMG 301 PUBLIC RELATIONS, MARKETING & FUNDRAISING FOR THE ARTS ORGANIZATION *Three credit hours*

Prerequisite: AMG 102

This course focuses on skills related to strategic planning, outreach, and resource development strategies for not-for-profit arts organizations.

AMG 401 SENIOR EXPERIENCE *One credit hour*

Prerequisite: AMG 102, 270.

This course focuses on typical transitional issues for college seniors as they prepare for graduate school or careers in arts management.

AMG 470 INTERNSHIP *One to three credit hours*

Prerequisites: AMG 102 and a 3.0 GPA.

See [Internship Program, Section II](#).

ASIAN STUDIES MINOR

The primary goal of the Asian Studies Minor at Baldwin-Wallace College 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 college study to develop a plan for completing the minor's requirements. Direct all questions related to the minor to Professor Ellen Posman, new director of the minor, in the Department of Religion.

Asian Studies Minor

Students must earn a minimum of 19 credit hours distributed among the following requirements to complete the Asian Studies minor. (* = Prerequisite Required)

ASN 100I Understanding Asia **3 credits**

Complete one semester of Asian language (from CHI 101, 102, 201 or 202) 4 credits

These Chinese courses are offered in the Foreign Languages Department at Baldwin-Wallace College. Students with native speaking ability or those who have taken an Asian language course (e.g., Japanese, Korean, or Hindu) elsewhere are exempt from the language requirement. The latter group must show 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.

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 235F	Topics in Non-Western Art	3 credits
ENG 335I	Literature and Film of the South Asian Diaspora	4 credits*
ENG 336I	Specific Genres (when focus is on Asia)	4 credits*
HIS 267I	Vietnam	3 credits*
HIS 291I	East Asia	3 credits*
HIS 391I	History of China	4 credits*
HIS 236I	Women in Eastern Civilization	3 credits*
HIS 288I	Islamic History 600-1800	3 credits*

REL 101I	Religions of India	3 credits
REL 102I	Religions of China and Japan	3 credits
REL 201I	Buddhist Culture in Asia	3 credits
REL 393I	Special Topics (when focus is on Asia)	3 credits*

SOCIAL SCIENCES:

ECN 362I	Economics of Developing Countries	3 credits*
POL 314I	Comparative Foreign Relations (when focus is on Asia)	3 credits
POL 326I	Special Topics (when focus is on Asia)	3 credits
POL 327I	Political change in Asia	3 credits
POL 363I	South Asia and World Politics	3 credits
SOC 350I	Modern China	3 credits
SOC 250I	Socioeconomic Development in South Asia	3 credits

Asian Studies Course Descriptions

ASN 100I UNDERSTANDING ASIA *Three 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

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.

Course Descriptions

AST 050 INDEPENDENT STUDY One to three credit hours

See [Independent Study Program, Section II.](#)

AST 070 INTERNSHIP Credit hours to be arranged

See [Internship Program, Section II.](#)

AST 259,359,459 FACULTY-STUDENT COLLABORATION Credit hours to be arranged

See [FSC Program, Section II.](#)

AST 111 ASTRONOMY OF THE STARS Three credit hours

The student is assumed to have had high school mathematics through algebra

An introductory lecture course dealing primarily 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 Three credit hours

The student is assumed to have had high school mathematics through algebra

An introductory lecture 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 131L EXPLORATORY ASTRONOMY Four 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 170L OBSERVATIONAL ASTRONOMY LAB One credit hour

Pre- or co-requisite of 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 One to four 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 491,492 DEPARTMENTAL THESIS/PROJECT Credit hours to be arranged

See [Departmental Thesis/Project, Section II](#)

BIOLOGY AND GEOLOGY

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.

The geology component of the Department provides the basic knowledge of the structural, physical and chemical nature of the planet and its manifestations on the surface.

Biology Major

Computer Code: BIOL

Minimum credits required: 50.5/51.5 (* = Prerequisite Required)

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

Required courses

BIO	121L, 122L	Principles of Biology I & II	8 credits
BIO	211	Genetics	4 credits*
BIO	212	Microbiology	4 credits*
BIO	221	General Zoology	3 credits*
BIO	222	General Botany	3 credits*
BIO	163	Freshman Seminar	0.5 credits
BIO	263	Sophomore Seminar	1 credits*
BIO	363	Biology Seminar	0 credits
BIO	463	Senior Seminar	1 credits*
CHM	111, 112	General Chemistry w/ Labs	9 credits

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

BIO	330	Gross Anatomy	4 credits*
BIO	332	Histology	3 credits*
BIO	333	Human Physiology	4 credits*
BIO	337	Plant Physiology	4 credits*

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

BIO	331	Developmental Biology	4 credits*
BIO	336	Molecular Biology	4 credits*
BIO	341	Immunology	4 credits*

At least one of the following Environmental Biology courses:

BIO	309	Vertebrate Natural History	4 credits*
BIO	310	Evolution	4 credits*

BIO	313	Ecology	4 credits*
BIO	334	Invertebrate Natural History	4 credits*

Biology Electives

6 credits

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

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 121L and BIO 122L) and Freshman Biology Seminar (BIO 163) should be taken during the freshman year. The Sophomore Biology Seminar (BIO 263), General Zoology (BIO 221), and General Botany (BIO 222) should be taken the sophomore year. The Senior Biology Seminar (BIO 463) should be taken either the Fall or Spring semester of the senior year. Biology majors are expected to take the Biology Seminar (BIO 363) every semester after their freshman year. The BIO 121L, 122L courses are prerequisites for all two, three, and four hundred level biology courses for majors.

Biology Minor

A minor in biology consists of a minimum of 17 semester credits of biology (BIO) courses including BIO 121L and 122L. We encourage students to consult a biology faculty member to help them develop a minor that best suits their needs.

Geology Minor

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.

A Geology minor shall consist of a minimum of 17 credit hours and must include GEO 111L, 1211L, and 212L.

Biology Course Descriptions

BIO 050	INDEPENDENT STUDY	One to four credit hours
See Independent Study Program, Section II.		
BIO 070	INTERNSHIP	One to twelve credit hours
<i>Up to twelve hours may count toward graduation, but only four hours may count toward the biology major.</i>		
See Internship Program, Section II.		
BIO 259,359,459	FACULTY-STUDENT COLLABORATION	Credit hours to be arranged
See FSC Program, Section II.		
BIO 101	HUMAN BIOLOGY	Three credit hours
<i>For non-biology majors only; does not count toward biology major or minor</i>		
A non-laboratory scientific study of fundamental biological principles as they pertain to the human condition.		
BIO 110L	BIOLOGY FOR THE CITIZEN	Three credit hours
<i>For non-biology majors only; does not count toward biology major or minor</i>		
A lecture-laboratory inquiry into selected biological topics of interest to the intelligent citizen.		
BIO 111L	FIELD BIOLOGY	Four credit hours
<i>For non-biology majors only; does not count toward biology major or minor</i>		
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 121L	PRINCIPLES OF BIOLOGY I	Four 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 122L	PRINCIPLES OF BIOLOGY II	Four 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?	Three credit hours
This team taught, interdisciplinary course examines global environmental issues, including biodiversity, climate, energy and population from biological and other disciplinary perspectives. These other perspectives will vary depending upon the academic disciplines of the other two faculty members who will teach the course. The student can satisfy three core credits, either in the sciences (BIO 150I) or in the social sciences (ECN 150I).		
BIO 163	FRESHMAN BIOLOGY SEMINAR	One-half credit hours
<i>All biology majors must take this course during their first year of study at Baldwin-Wallace.</i>		
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 180L INTRODUCTION TO BIOTECHNOLOGY **Three credit hours**
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 **Two to four 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 203L HUMAN ANATOMY AND PHYSIOLOGY I **Four 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 **Three credit hours**

Prerequisite: BIO 203L

A continuation of BIO 203L, covering the cardiovascular, integumentary, endocrine, immune, digestive, urinary, reproductive and lymphatic systems of the human body. Prosected human cadavers, organs and live human specimens will be studied in the laboratory portion of the course.

BIO 210IEL TROPICAL ECOLOGY **Four credit hours**

Prerequisite: 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 **Four credit hours**

Prerequisite: BIO 121L, 122L

A lecture-laboratory study of classical, cellular and population genetics.

BIO 212 MICROBIOLOGY **Four credit hours**

Prerequisite: BIO 121L, 122L

A lecture-laboratory study of microorganisms, particularly bacteria. The relationship of these microorganisms to humans is emphasized.

BIO 221 GENERAL ZOOLOGY **Three credit hours**

Prerequisite: BIO 121L, 122L

A lecture-laboratory survey of the most common taxa of the animal kingdom.

BIO 222 GENERAL BOTANY **Three credit hours**

Prerequisite: BIO 121L, 122L

A lecture-laboratory study of the plant kingdom with emphasis on the flowering plants.

BIO 250 PRINCIPLES OF NEUROSCIENCE **Three credit hours**

This course may be taken to partially satisfy the general curriculum requirement in either the Social Sciences or the Natural Sciences.

An introduction to the study of the brain and behavior. 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.

BIO 263 SOPHOMORE BIOLOGY SEMINAR **One credit hours**

Prerequisite: BIO 163. Biology majors must take this course during their sophomore year. Transfer biology majors must take this course the next semester after they take BIO 163 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/PSY 303 PHYSIOLOGICAL PSYCHOLOGY *Four credit hours*
Prerequisite: PSY 110 or BIO 121L or BIO 203L or consent of instructor. This course may be taken to partially satisfy the general curriculum requirement in the social sciences.

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.

BIO 309 VERTEBRATE NATURAL HISTORY *Four credit hours*
Prerequisite: BIO 121L, 122L

A lecture-laboratory-field study of the evolution and ecology of vertebrate animals.

BIO 310 EVOLUTION *Four credit hours*
Prerequisite: BIO 121L, 122L

A lecture-laboratory-field study of the fundamental principles of organic evolution.

BIO 313 ECOLOGY *Four credit hours*
Prerequisite: BIO 121L, 122L

A laboratory-field study of the concepts of ecology. Representative aquatic and terrestrial ecosystems will be studied.

BIO 330 GROSS ANATOMY *Four credit hours*
Prerequisite: BIO 121L, 122L

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 *Four credit hours*
Prerequisite: 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 *Three credit hours*
Prerequisite: BIO 121L & 122L or BIO 203L & 204L

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 *Four credit hours*
Prerequisite: BIO 121L, 122L

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 *Four credit hours*
Prerequisite: 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 *Four credit hours*
Prerequisite: 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 *Four credit hours*
Prerequisite: 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** **Four credit hours**
Prerequisite: BIO 121L, 122L are required. BIO 211 and BIO 212 are recommended.

A lecture-laboratory study of innate and acquired immune responses.

BIO 363 **BIOLOGY SEMINAR** **Zero 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** **Two credit hours**
Prerequisite: 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** **One to four credit hours**
Prerequisite: BUS 121L, 122L, Junior or Senior standing or consent of instructor. Prerequisite courses will be specified on the basis of the subject offered.

A single topic will be addressed each time the course is offered, but topics chosen may differ.

BIO 463 **SENIOR BIOLOGY SEMINAR** **One credit hours**
Prerequisite: One or two semesters of BIO 363. Must be repeated if grade is below C.

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**

See [Departmental Thesis/Project, Section II.](#)

Medical Technology

Before entering hospital training, students enrolled in the Medical Technology Program at Baldwin-Wallace College may elect one of two options: the three-plus-one hospital-based affiliation program or the four-plus-one hospital-based affiliation program (Post-BS option). Both options require the fulfillment of the College 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.

The hospital presently affiliated with Baldwin-Wallace is Southwest General Health Center.

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.

Courses Offered in Hospital Schools of Medical Technology

Prerequisite: Enrollment in a hospital school of medical technology that has been approved by the Council of Medical Education of the American Medical Association in collaboration with the National Accrediting Agency for Clinical Laboratory Sciences.

MICROBIOLOGY AND IMMUNOLOGY

Ten credit hours

Lectures and laboratory experience in bacteriology, parasitology, mycology and immunology; culture and identification of microorganisms; utilization of media; antibiotic sensitivity studies; serology tests.

CLINICAL CHEMISTRY

Eight credit hours

Lectures and laboratory experience; applied automated techniques in quantitative chemistry of blood and other body fluids.

HEMATOLOGY

Six credit hours

Lectures and laboratory experience; blood morphology in health and disease; normal and abnormal physiology of blood; venipuncture technique; blood cell counting and identification.

IMMUNOHEMATOLOGY

Three credit hours

Lectures and laboratory experience; common blood group antigens and antibodies; identification; compatibility testing; collection and preparing blood products for transfusion.

CLINICAL MICROSCOPY

One credit hours

Lectures and laboratory experience; chemical and microscopic examination of urine.

SPECIAL SUBJECTS

Four credit hours

Lectures, demonstrations and laboratory experience that might include special subjects such as hospital orientation, laboratory computer systems, management and education.

Geology Course Descriptions

GEO 104L GEOLOGY OF NATIONAL PARKS

Four 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 111L THE DYNAMIC EARTH

Four 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 121IL PHYSICAL GEOGRAPHY

Four 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 131 EARTH AND ITS RESOURCES

Three credit hours

Students that have taken GEO 121IL, GEO 227 or CHM 200I are not eligible to take this course.

Provides students with a basic understanding of dimension and processes of planet Earth, its systems (biosphere, atmosphere, etc) and their interaction. The course will address topics like the Greenhouse Effect, ocean currents, fossil fuels and other energy resources, soil and water use, overuse and degradation, waste disposal and pollution. The course will discuss the value, limits as well as threats to the planet's resources. Lecture topics will be supported by case studies and select exercises.

GEO 150 REGIONAL GEOLOGY & GEOGRAPHY

Two 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

One credit hours

This course consists of study, discussion and demonstration of special topics. One class session per week.

GEO 200 SCIENCE

Three credit hours

An interdisciplinary approach to a topic of scientific interest. Course content is determined by the topic chosen.

GEO 205L GEO-ORIENTEERING

Three 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 212L EARTH HISTORY

Four credit hours

Prerequisite: GEO 111L or consent of the instructor

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 223L GEOLOGY OF NORTHEAST OHIO RIVERS AND THEIR ENVIRONMENT

Three 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

Three credit hours

An exploration of how the earth's geologic environment affects the earth's life forms. It is also an exploration of the impact of man on the earth's geologic evolution, and a review of the laws governing the use of natural resources.

GEO 229 OCEANOGRAPHY

Three 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 232L ELEMENTS OF MINERALOGY

Four credit hours

Prerequisite: GEO111 or consent of the instructor

A course that includes the elements of crystallography, crystal growing, crystal chemistry, physical properties and descriptive mineralogy of the important or rock forming minerals. Three lecture sessions and one lab per week.

BUSINESS ADMINISTRATION

The Division of Business Administration trains students to become contributing members of today's corporate, entrepreneurial, public and non-profit organizations. While an objective of the Division is to prepare a person for specific career orientation, the Division 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.

Business Administration Major

Computer Code: BSAD

Minimum credits required: 57

Required Foundation Courses (* = Prerequisite Required)

ECN	101	Principles of Economics I (Micro)	4 credits
ECN	102	Principles of Economics II (Macro)	4 credits*
ECN	279	Elements of Statistics	4 credits*
CSC	141	Advanced Applications for Information Analysis (not required of students who completed CSC 210)	3 credits
MTH	136	Applied College Mathematics	3 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	305	Introduction to Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits
BUS	330	Introduction to Marketing	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*
BUS	365	Management Science	3 credits*
BUS	451	Management Strategy & Policy	3 credits*

Elective Business Administration Courses

Five elective courses at the 300-400 level 15 credits*

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 Division of Business Administration at Baldwin-Wallace College.
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 BUS prefix course may be counted toward the major.

Business Administration Minor- 28 credit hours**Required Foundation Courses** (* = Prerequisite Required)

ECN	100^	Survey of Economics	3 credits
ECN	279	Elements of Statistics	4 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	208#	Introduction to Business	3 credits
BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*

Elective Business Administration Courses

Three Business Administration courses at the 300-400 level			9 credits*
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^The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

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

Accounting Major**Computer Code: BSAC**

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: 57**Required Foundation Courses** (* = Prerequisite Required)

ECN	101	Principles of Economics I (Micro)	4 credits
ECN	102	Principles of Economics II (Macro)	4 credits*
ECN	279	Elements of Statistics	4 credits*
CSC	141	Advanced Applications for Information Analysis (not required of students who completed CSC 210)	3 credits
MTH	136	Applied College Mathematics	3 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	305	Introduction to Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits
BUS	330	Introduction to Marketing	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*
BUS	365	Management Science	3 credits*
BUS	451	Management Strategy & Policy	3 credits*

Elective Accounting Courses

Five elective courses in Accounting
(among BUS 316, BUS 321, BUS 322, BUS 328, BUS 378, BUS 407, BUS 408, BUS 417, BUS 418, BUS 420, BUS 421, BUS 463 Financial Statement Analysis) 15 credits*

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 Division of Business Administration at Baldwin-Wallace College.
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 BUS prefix course may be counted toward the major.

Accounting Minor- 25 credit hours

Required Foundation Courses: (* = Prerequisite Required)

ECN	100 [^]	Survey of Economics	3 credits
ECN	279	Elements of Statistics	4 credits*

Required Business Administration Courses: (* = Prerequisite Required)

BUS	208#	Introduction to Business	3 credits
BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*

Elective Accounting Courses:

Three elective courses in Accounting
(among BUS-316, 321, 322, 378, 407, 408, 417, 418, 420, 421) 9 credits*

[^]The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

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

Finance Major

Computer Code: BSFN

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: 57

Required Foundation Courses (* = Prerequisite Required)

ECN	101	Principles of Economics I (Micro)	4 credits
ECN	102	Principles of Economics II (Macro)	4 credits*
ECN	279	Elements of Statistics	4 credits*
CSC	141	Advanced Applications for Information Analysis (not required of students who completed CSC 210)	3 credits
MTH	136	Applied College Mathematics	3 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	305	Introduction to Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits
BUS	330	Introduction to Marketing	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*
BUS	365	Management Science	3 credits*
BUS	451	Management Strategy & Policy	3 credits*

Elective Finance Courses

Five elective courses in Finance

(among BUS 321, BUS 329, BUS 416, BUS 444, BUS 445, ECN 339, BUS 463 Financial Statement Analysis or Risk Mgmt in Financial Institutions) 15 credits*

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 Division of Business Administration at Baldwin-Wallace College.
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 BUS prefix course may be counted toward the major.

Finance Minor- 28 credit hours**Required Foundation Courses** (* = Prerequisite Required)

ECN	100 [^]	Survey of Economics	3 credits
ECN	279	Elements of Statistics	4 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	208#	Introduction to Business	3 credits
BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*

Elective Finance Courses:

Three elective courses in Finance (among BUS-416, 444, 445, ECN 339)			9 credits*
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[^]The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

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

Health Care Management Major**Computer Code: BSHC**

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 the students oral and written presentation skills as well as overall problem solving skills.

Minimum credits required: 57**Required Foundation Courses** (* = Prerequisite Required)

ECN	101	Principles of Economics I (Micro)	4 credits
ECN	102	Principles of Economics II (Macro)	4 credits*
ECN	279	Elements of Statistics	4 credits*
CSC	141	Advanced Applications for Information Analysis (not required of students who completed CSC 210)	3 credits
MTH	136	Applied College Mathematics	3 credits*

Required Health and Physical Education Course

HPE	206	Medical Terminology	2 credits
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Required Natural Science Course**Choose one course from the following:**

BIO	101	Human Biology	3 credits
BIO	121L	Principles of Biology I	4 credits
BIO	203L	Human Anatomy and Physiology	4 credits

Note: This course can be used to fulfill part of the Natural Science portion of the College Core Curriculum.

Required Business Administration Courses (* = Prerequisite Required)

BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	305	Introduction to Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits
BUS	330	Introduction to Marketing	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*
BUS	365	Management Science	3 credits*
BUS	451	Management Strategy & Policy	3 credits*

Required Health Care Management Courses (* = Prerequisite Required)

BUS	357	Introduction to American Health Care	3 credits*
BUS	367	Health Care Law & Ethics	3 credits*
BUS	377	Health Care Environment	3 credits*
BUS	409D	Behavioral Theories of Management	3 credits*
BUS	487	Capstone in Problem Solving & Applied Health Care Management	3 credits*

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.

Internship

An internship in, or an independent research project for a health or community agency is recommended for any student who does not have a minimum of one year of health-care-related work experience. It is also strongly recommended that students with more than one year of health-care-related work experience consider participating in an experience that would broaden their focus and understanding of the overall health care world.

Mentoring Program

Baldwin-Wallace College 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 include the following: (* = Prerequisite Required)

CAS	112	Presentational Speaking	3 credits
CAS	207	Group Communication and Leadership	3 credits*

BUS	215	Introduction to Entrepreneurship	3 credits
BUS	358	Business Communications	3 credits
HPE	245	Health Behavior Management	2 credits
PSY	280	Research Methods	3 credits*
SOC	280D	Research Methods	4 credits*
SOC	281	SPSS: Data Analysis	4 credits*

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 Division of Business Administration at Baldwin-Wallace College.
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 BUS prefix course may be counted toward the major.

Health Care Management Minor- 25 credit hours

Required Foundation Courses (* = Prerequisite Required)

ECN	100^	Survey of Economics	3 credits
ECN	279	Elements of Statistics	4 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	208#	Introduction to Business	3 credits
BUS	211	Principles of Accounting I	3 credits*
BUS	305	Introduction to Management	3 credits*

Health Care Management Courses

BUS	357	Introduction to American Health Care	3 credits*
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Choose two courses from the following: (* = Prerequisite Required)

BUS	367	Health Care Law & Ethics	3 credits*
BUS	377	Health Care Environment	3 credits*
BUS	409D	Behavioral Theories of Management	3 credits*

^The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

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

Human Resource Management Major Computer Code: BSHR

The Human Resource Management Major provides knowledge in the technical areas of Employment Law, Staffing and Development, Compensation, and Human Resource Strategy. 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.

Minimum credits required: 57

Required Foundation Courses (* = Prerequisite Required)

ECN	101	Principles of Economics I (Micro)	4 credits
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ECN	102	Principles of Economics II (Macro)	4 credits*
ECN	279	Elements of Statistics	4 credits*
CSC	141	Advanced Applications for Information Analysis (not required of students who completed CSC 210)	3 credits
MTH	136	Applied College Mathematics	3 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	305	Introduction to Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits
BUS	330	Introduction to Marketing	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*
BUS	365	Management Science	3 credits*
BUS	451	Management Strategy & Policy	3 credits*

Elective Human Resource Courses

Five elective courses in Human Resource
(among BUS 329, BUS 409D, BUS 410, BUS 411, BUS 412, BUS 413, ECN 349) 15 credits*

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 Division of Business Administration at Baldwin-Wallace College.
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 BUS prefix course may be counted toward the major.

Human Resource Management Minor- 24 credit hours

Required Foundation Courses

ECN	100 [^]	Survey of Economics	3 credits
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Required Business Administration Courses (* = Prerequisite Required)

BUS	208 [#]	Introduction to Business	3 credits
BUS	305	Introduction to Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits
BUS	410	Human Resource Management	3 credits*

Elective Human Resource Management Courses

Three elective courses in H.R. Management
(among BUS-329, 409D, 411, 412, 413, ECN 349) 9 credits*

[^]The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

[#]The sequence of BUS 211, BUS 212, & BUS 330 can be substituted for BUS 208

International Business Major

Computer Code: BSIN

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: 65-67

Required Foundation Courses (* = Prerequisite Required)

ECN	101	Principles of Economics I (Micro)	4 credits
ECN	102	Principles of Economics II (Macro)	4 credits*
ECN	279	Elements of Statistics	4 credits*
CSC	141	Advanced Applications for Information Analysis (not required of students who completed CSC 210)	3 credits
MTH	136	Applied College Mathematics	3 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	305	Introduction to Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits
BUS	330	Introduction to Marketing	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*
BUS	365	Management Science	3 credits*
BUS	451	Management Strategy & Policy	3 credits*

Elective International Business Courses

All students must complete BUS-310I and four elective courses in International Business
(among BUS 351I, BUS 360I, BUS 436I, BUS 444I, ECN-365I, INT-200I) 15 credits*

Interdisciplinary Requirement

Choose from the following three options:

1. Minor in a foreign language
2. Minor in International Studies
3. Choose from either two semesters of any one foreign language or three courses from the following selection of interdisciplinary courses.

Interdisciplinary Courses: (3 courses)

Choose one course from the following:

POL	211I	International Politics	4 credits
POL	221I	Intro to Comparative Politics	4 credits
BIO/ECN	150I	Humans and the Earth	3 credits
ECN	360I	Comparative Economic Systems	3 credits*
INT	200I+	Intro to International Studies	3 credits
HUM	285I	Intercultural Communication	3 credits

SOC	286I	Global Perspectives	3 credits
		+cannot be one of the major electives	

Choose two courses from the following:

ASN	100I	Understanding Asia	3 credits
ECN	362I	Economics of Developing Countries	3 credits*
HIS	227I	History of Africa	3 credits*
HIS	245I	Russia	3 credits*
HIS	260I	Topics in History (when topic is international)	3 credits*
HIS	288I	Islamic History	3 credits*
HIS	291I	East Asia	3 credits*
HIS	346I	Modern Russia	3 credits*
HIS	381I	Arab-Israeli Conflicts	3 credits*
HIS	389I	Modern Middle East	3 credits*
HIS	391I	History of China	3 credits*
POL	327I	Political Change in Asia	3 credits

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.

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 Division of Business Administration at Baldwin-Wallace College.
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 BUS prefix course may be counted toward the major.

International Business Minor- 18 credit hours

Required Foundation Courses

ECN	100 [^]	Survey of Economics	3 credits
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Required Business Administration Courses (* = Prerequisite Required)

BUS	208#	Introduction to Business	3 credits
BUS	310I	Intro to International Business	3 credits
BUS	360I	Pol & Social Responsibility of Multinational Corp	3 credits
BUS	436I	International Marketing	3 credits*
INT	200I	Intro to International Studies	3 credits

[^]The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

[#]The sequence of BUS 211, BUS 212, & BUS 330 can be substituted for BUS 208

Management Major

Computer Code: BSMG

Management Majors understand how to manage the key resource in today's organization, people. Management focuses on leadership activities within organizations in various business environments. The functions of managers are examined from a holistic, systemic perspective with an emphasis on behavioral interactions and integration to create organizational effectiveness. Management is a cross-disciplinary field that provides a strong theoretical knowledge base accompanied by significant experiential learning.

Minimum credits required: 57

Required Foundation Courses (* = Prerequisite Required)

ECN	101	Principles of Economics I (Micro)	4 credits
ECN	102	Principles of Economics II (Macro)	4 credits*
ECN	279	Elements of Statistics	4 credits*
CSC	141	Advanced Applications for Information Analysis (not required of students who completed CSC 210)	3 credits
MTH	136	Applied College Mathematics	3 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	305	Introduction to Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits
BUS	330	Introduction to Marketing	3 credits*
BUS	342	Corporate and Organizational Finance	3 credits*
BUS	365	Management Science	3 credits*
BUS	451	Management Strategy & Policy	3 credits*

Elective Management Courses

Five elective courses in Management
(among ECN 344, ECN 349, BUS 310I, BUS 329, BUS 351I, BUS 358,
BUS 409D, BUS 410, BUS 463 (International Organizational Behavior;
Global Management), PSY 320, PSY 321) 15 credits*

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 Division of Business Administration at Baldwin-Wallace College.
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 BUS prefix course may be counted toward the major.

Management Minor- 21 credit hours

Required Foundation Courses

ECN 100^ Survey of Economics 3 credits

Required Business Administration Courses

BUS 208# Introduction to Business 3 credits
BUS 305 Introduction to Management 3 credits*
BUS 326 Legal Environment of Organizations 3 credits

Elective Management Courses

Three elective courses in Management
(among BUS-310I, 329, 351I, 358, 409D, 410, BUS 463 (International Organizational Behavior; Global Management), ECN 349) 9 credits*

^The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

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

Marketing Major

Computer Code: BSMK

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: 57

Required Foundation Courses (* = Prerequisite Required)

ECN 101 Principles of Economics I (Micro) 4 credits
ECN 102 Principles of Economics II (Macro) 4 credits*
ECN 279 Elements of Statistics 4 credits*
CSC 141 Advanced Applications for Information Analysis 3 credits
(not required of students who completed CSC 210)
MTH 136 Applied College Mathematics 3 credits*

Required Business Administration Courses (* = Prerequisite Required)

BUS 211 Principles of Accounting I 3 credits*
BUS 212 Principles of Accounting II 3 credits*
BUS 305 Introduction to Management 3 credits*
BUS 326 Legal Environment of Organizations 3 credits
BUS 330 Introduction to Marketing 3 credits*
BUS 342 Corporate and Organizational Finance 3 credits*
BUS 365 Management Science 3 credits*
BUS 451 Management Strategy & Policy 3 credits*

Elective Marketing Courses

Five elective courses in Marketing
(among BUS 329, BUS 333, BUS 334, BUS 335, BUS 338, BUS 432, BUS 436I, BUS 437, CST 206) 15 credits*

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 Division of Business Administration at Baldwin-Wallace College.
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 BUS prefix course may be counted toward the major.

Marketing Minor- 21 credit hours

Required Foundation Courses

ECN 100^ Survey of Economics 3 credits

Required Business Administration Courses

BUS 208# Introduction to Business 3 credits

BUS 326 Legal Environment of Organizations 3 credits

BUS 330 Introduction to Marketing 3 credits*

Elective Marketing Courses

Three elective courses in Marketing
(among BUS 333, 334, 335, 338, 432, 436I, 437, CST 206) 9 credits*

^The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

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

Entrepreneurship Minor- 21 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 credits

Required Business Administration Courses (* = Prerequisite Required)

BUS 211 Principles of Accounting I 3 credits*

BUS 212 Principles of Accounting II 3 credits*

BUS 330 Introduction to Marketing 3 credits*

Entrepreneurship Courses (* = Prerequisite Required)

BUS 215 Introduction to Entrepreneurship 3 credits

BUS 315 Small Business Management 3 credits*

BUS 415 Business Plan Development 3 credits*

^The sequence of ECN 101 and ECN 102 can be substituted for ECN 100

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

2+2 Transfer Program in Business Administration

Baldwin-Wallace College 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

Professional Business Program

Baldwin-Wallace College offers a two-year (five-semester) Bachelor's Degree completion program that is open to adult students who have earned an Associate's Degree from a regionally-accredited institution within the last ten years, regardless of the academic area in which the degree was earned.

The program can be completed on a full-time or part-time basis. The five-semester full-time curriculum is offered on the Baldwin-Wallace-East campus in Beachwood. The part-time program can be completed on either campus.

Business Administration

Course Descriptions

BUS 050I	INDEPENDENT STUDY	One to four credit hours
See Independent Study Program, Section II.		
BUS 070	INTERNSHIP	One to twelve credit hours
See Internship Program, Section II.		
BUS 259,359,459	FACULTY-STUDENT COLLABORATION	Credit hours to be arranged
See FSC Program, Section II.		
BUS 208	INTRODUCTION TO BUSINESS	Three 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 211	PRINCIPLES OF ACCOUNTING I	Three credit hours
This is an introductory course designed to acquaint students with the principles of accounting theory with emphasis upon the accounting cycle, the accounting equation, and the preparation and interpretation of the primary financial statements as they relate to various business organizations.		
BUS 212	PRINCIPLES OF ACCOUNTING II	Three credit hours
<i>Prerequisites: MTH 136, BUS 211</i>		
A continuation of BUS 211, this course emphasizes the managerial applications of accounting information.		
BUS 215	INTRODUCTION TO ENTREPRENEURSHIP	Three 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 220	INNOVATION AND INTEGRITY COLLOQUIUM	One 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.		
BUS 221	INNOVATION APPLICATION COLLOQUIUM	One credit hour
<i>Prerequisite: BUS 220</i>		
In this second half of the year long colloquium, students will apply their Innovative Leadership Development Plan created in BUS 220 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.		
BUS 243	PERSONAL FINANCE	Three 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 250 GREEN BUSINESS: GOD, MONEY AND ECOLOGY Three credit hours

Consideration of what ethics and religion have to say about the relationship of business and the environment both in the U.S. and in developing countries is covered in this course.

BUS 263 SEMINAR One to three 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 305 INTRODUCTION TO MANAGEMENT Three credit hours

Prerequisite: 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 Three credit hours

Prerequisite: 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 SMALL BUSINESS MANAGEMENT Three credit hours

Prerequisite: BUS 330

This course develops the students' understanding of how the functional areas of business are applied in a small, entrepreneurial enterprise. Because of the cross-functional demands on the entrepreneur, this course covers a wide range of topics. Students will gain a greater understanding of the interdependencies within an organization. Topics such as guerilla marketing, networking, legal forms of an organization, relationship-building, advisory boards, and venture capital are explored in broad the financial issues confronting entrepreneurs are explored in broad terms.

BUS 316 COST ACCOUNTING & ANALYSIS Three credit hours

Prerequisites: BUS 212, 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.

BUS 321 INTERMEDIATE ACCOUNTING I Three credit hours

Prerequisite: MTH 136, BUS 211

The accounting cycle, the theory, and practice of financial statement preparation in accordance with generally accepted accounting principles are covered in this course. Topics also include long-term assets, liabilities, and stockholders' equity of the corporation.

BUS 322 INTERMEDIATE ACCOUNTING II Three credit hours

Prerequisite: BUS 321

This course will continue the analysis of the balance sheet and will also review the preparation of the cash flow statement. Advanced measurement and disclosure issues relating to the financial statements will also be examined.

BUS 326 LEGAL ENVIRONMENT OF ORGANIZATIONS Three credit hours

Prerequisite: 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 Three credit hours

Prerequisite: 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 Three credit hours

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 Three credit hours

Prerequisite: ECN 100 or 101

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 333 ADVERTISING MANAGEMENT Three credit hours

Prerequisite: 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 Three credit hours

Prerequisite: 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 335 RETAIL MANAGEMENT Three credit hours

Prerequisite: BUS 330

This course includes the study of retailing and retail management—management of the retail store, its environment, personnel, buying, merchandising, pricing, advertising, promotion, selling, expense control and customer service.

BUS 338 CONSUMER BEHAVIOR Three credit hours

Prerequisite: 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 342 CORPORATE & ORGANIZATIONAL FINANCE Three credit hours

Prerequisites: CSC 141, MTH 136, ECN 100 OR 101, BUS 212

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 3511 GLOBAL STRATEGIES Three credit hours

Prerequisite: 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 357 **INTRODUCTION TO AMERICAN HEALTH CARE** *Three credit hours*

Prerequisite: BUS 305 or consent of instructor

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** *Three credit hours*

This course is designed to improve the student's command of the English language in typical business writing, with analysis and writing of various types of business letters and reports, including collection of data, organization of material, choice of writing style and various uses of reports in business and industry.

BUS 360I **POLITICAL & SOCIAL RESPONSIBILITY OF MULTINATIONAL CORPORATION** *Three credit hours*

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 **SEMINAR** *One to three 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 **MANAGEMENT SCIENCE** *Three credit hours*

Prerequisites: MTH 136, CSC 141, ECN 279

This course provides analysis of the various quantitative models that are available for formulating and solving accounting, finance, management and marketing problems. The student is exposed to the fundamental principles of operations research as applied to all areas of business decision-making.

BUS 367 **HEALTH CARE LAW AND ETHICS** *Three credit hours*

Prerequisites: BUS 326, BUS 357

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 ENVIRONMENT** *Three credit hours*

Prerequisite: 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 378 **PRINCIPLES OF FRAUD EXAMINATION** *Three 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.

BUS 407 FEDERAL INCOME TAXATION *Three credit hours*

Prerequisite: BUS 211

The topics of the federal income tax law, U.S. Treasury regulations, and IRS revenue rulings and court cases are covered in this course. A major emphasis of the course will be tax planning for the individual. There will be a detailed study of actual personal federal tax forms. Ethics will be stressed.

**BUS 408 FEDERAL TAXATION:
CORPORATIONS, PARTNERSHIPS, *Three credit hours*
ESTATES AND TRUSTS**

Prerequisite: BUS 211

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 course.

**BUS 409D BEHAVIORAL THEORIES OF
MANAGEMENT *Three credit hours***

Prerequisite: BUS 305

This is an experiential laboratory course that explores personal, interpersonal, group, inter-group, and organizational change as it relates to effective leadership and diversity management in business and other organizations.

BUS 410 HUMAN RESOURCE MANAGEMENT *Three credit hours*

Prerequisite: 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 *Three credit hours*

Prerequisite: 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 AND LABOR
RELATIONS *Three credit hours***

Prerequisite: BUS 410 or permission of instructor

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. Labor Relations includes the topics of the NLRB, unionization, collective bargaining, grievance procedures, arbitrations and mediation. This course is open to graduate students.

BUS 413 STAFFING AND DEVELOPMENT *Three credit hours*

Prerequisite: 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 415 BUSINESS PLAN DEVELOPMENT *Three credit hours*

Prerequisites: BUS 215, BUS 315

In this capstone course, entrepreneurship students will complete a comprehensive business plan, including a competitive analysis, industry description and outlook, sales and marketing plan and financial plan for a proposed company. Faculty and entrepreneurs will work closely with students to ensure that this project incorporates the practical issues entrepreneurs tackle in starting or growing a business. Students will meet with bankers, venture service providers and successful entrepreneurs.

BUS 416 FINANCIAL MANAGEMENT Three credit hours

Prerequisites: 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 417 PRINCIPLES OF AUDITING Three credit hours

Prerequisite: BUS 322 (may be taken concurrently)

This course emphasizes auditing concepts and applications that enable students to understand the philosophy and environment in public accounting ethics, auditing standards, opinions on the financial statements.

BUS 418 GOVERNMENTAL AND NONPROFIT ACCOUNTING Three credit hours

Prerequisite: BUS 212

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.

BUS 420 ACCOUNTING SYSTEMS Three credit hours

Prerequisite: BUS 322

This course is a survey of information technology and its application to accounting issues. Students will solve problems using electronic spreadsheets, word processors, and the internet. Students will develop an understanding of the information gathering, data accumulation, and reporting requirements of various accounting software programs.

BUS 421 ADVANCED ACCOUNTING Three credit hours

Prerequisite: BUS 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 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.

BUS 432 MARKETING RESEARCH & INFORMATION SYSTEMS Three credit hours

Prerequisites: 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 Three credit hours

Prerequisite: 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.

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.

Chemistry Major

Computer Code: CHMY

Minimum credits required: 53.5 (* = Prerequisite required)

Required courses

CHM	111,112,111L,112L	General Chemistry & Labs	9 credits
CHM	221,221L	Quantitative Analysis & Lab	4 credits*
CHM	251,252,251L,252L	Organic Chemistry & Labs	9.5 credits*
CHM	331, 331L	Physical Chemistry I and Lab	4 credits*
OR			
CHM	332, 332L	Physical Chemistry II and Lab	4 credits*
CHM	463	Chemistry Seminar (4 semesters for 0.5 credit each)	2 credits*
MTH	141,142	Calculus	8 credits
PHY	131, 151L	General Physics I and Lab	5 credits
OR			
PHY	145L	Applied College Physics I	5 credits
Either PHY 131 along with 151L or PHY 145L, but not both, may be taken for credit.			
PHY	132, 152L	General Physics II and Lab	5 credits*
OR			
PHY	146L	Applied College Physics II	5 credits*
Either PHY 132 along with 152L or PHY 146L, but not both, may be taken for credit.			

A minimum of 6 credits from the following [300 level] courses is required for graduation as a chemistry major. (Labs do not count as individual courses.)

CHM	311, 311L	Biochemistry and Lab	4 credits*
CHM	321, 321L	Instrumental Analysis and Lab	4 credits*
CHM	341, 341L	Inorganic Chemistry and Lab	4 credits*
CHM	351	Organic Spectroscopy	2 credits*

A minimum of one credit from the following courses is required for graduation as a chemistry major:

CHM	411	Topics in Biochemistry	0.5, 1 or 2 credits*
CHM	421	Topics in Analytical Chemistry	0.5, 1 or 2 credits*
CHM	441	Topics in Inorganic Chemistry	0.5, 1 or 2 credits*
CHM	451	Topics in Organic Chemistry	0.5, 1 or 2 credits*

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.

Chemistry Minor**Minimum credits required: 22.5**

CHM	111,112,111L,112L	General Chemistry & Labs	9 credits*
CHM	221,221L	Quantitative Analysis & Lab	4 credits*
CHM	251,252,251L,252L	Organic Chemistry & Labs	9.5 credits*

Consultation with the Chemistry Department is encouraged.

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

Beginning Courses in Chemistry

CHM 111, 112, 111L, 112L 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.

Chemistry

Course Descriptions

CHM 111 **GENERAL CHEMISTRY I** **Four credit hours**

Prerequisite: 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 stoichiometry, chemical reactions, thermochemistry, electronic structure of atoms and molecules, and periodic trends. CHM 111L must be taken concurrently with CHM 111 to receive credit for the coursework.

CHM 112 **GENERAL CHEMISTRY II** **Four credit hours**

Prerequisite: CHM 111 or the equivalent.

Continuation of CHM 111. Topics include kinetics, equilibrium, and acid-base chemistry. CHM 112L must be taken concurrently with CHM 112 to receive credit for the coursework.

CHM 111L and 112L **GENERAL CHEMISTRY LABORATORY** **One-half credit hour each**

These lab courses consist of illustrations of chemical principles, skills involving weighing and liquid measure, lab safety and hazardous waste disposal. These must be taken concurrently with CHM 111 and CHM 112, respectively. Lab: each one three-hour minimester lab per week.

CHM 150L **PHYSICAL SCIENCE INVESTIGATIONS I** **Three credit hours**

Prerequisite: 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 200(IH)	SCIENCE	Three or four credit hours
The study of a topic in science which may involve an interdisciplinary approach. Course content is determined by the faculty member under whose auspices the course is offered. Includes: U.S. Chemical Industry, Science and Society, Technological Revolutions, and Energy.		
CHM 221	QUANTITATIVE ANALYSIS	Three credit hours
<i>Prerequisite: CHM 112 or permission of the instructor</i>		
An introduction to chemical analysis. The principles of statistics, stoichiometry and solution chemistry as well as an introduction to chemical instrumentation are explored. CHM 221L must be taken concurrently to receive credit.		
CHM 221L	QUANTITATIVE ANALYSIS LABORATORY	One credit hour
This must be taken concurrently with CHM 221. Lab: Two three-hour minimester labs per week.		
CHM 251, 252	ORGANIC CHEMISTRY I, II	Four credit hours
<i>Prerequisite: CHM 112 or permission of the instructor. Required of pre-medical students</i>		
General principles and theories for the synthesis of aliphatic, aromatic, and heterocyclic compounds. Special emphasis on functional groups and mechanisms of organic reactions. CHM 251 is a prerequisite for CHM 252. CHM 251L and CHM 252L must be taken concurrently with CHM 251 and CHM 252, respectively, to receive credit.		
CHM 251L	ORGANIC CHEMISTRY I LABORATORY	One half credit hour
Must be taken concurrently with CHM 251. One 3-hour minimester lab per week.		
CHM 252L	ORGANIC CHEMISTRY II LABORATORY	One credit hour
Must be taken concurrently with CHM 252. One three-hour lab per week.		
CHM 311	BIOCHEMISTRY	Three credit hours
<i>Prerequisite: Two years of college chemistry, including CHM 252</i>		
An introduction to the chemistry of biological systems including proteins, enzymes, nucleic acids, lipids and carbohydrates. An overview of metabolic processes will be presented. CHM 311L must be taken concurrently to receive credit.		
CHM 311L	BIOCHEMISTRY LABORATORY	One credit hour
Must be taken concurrently with CHM 311. Lab: One 3-hour lab per week		
CHM 321	INSTRUMENTAL ANALYSIS	Three credit hours
<i>Prerequisite: Two years of college chemistry, including CHM 221</i>		
A survey of analytical techniques using instrumental methods of analysis. CHM 321L must be taken concurrently to receive credit.		
CHM 321L	INSTRUMENTAL ANALYSIS LABORATORY	One credit hour
Lab: One 2-hour lab per week		
CHM 331, 332	PHYSICAL CHEMISTRY	Three credit hours each
<i>Prerequisite: Two years of college chemistry, two semester of calculus, CHM 221/221L or permission of the instructor</i>		
Systematic study of thermodynamics, statistical mechanics, dynamics, quantum mechanics and spectroscopy as applied to chemical systems. CHM 331L, 332L must be taken concurrently to receive credit.		
CHM 331L, 332L	PHYSICAL CHEMISTRY LABORATORY	One credit hour each
CHM 331L and CHM 332L must be taken concurrently with CHM 331 and CHM 332 respectively to receive credit.		

CHM 341	INORGANIC CHEMISTRY	Three credit hours
<i>Prerequisite: CHM 252</i>		
Chemistry of inorganic compounds with a focus on transition-metal complexes. Topics include structure, bonding, molecular orbital theory, group theory and spectroscopic properties. CHM 341L must be taken concurrently.		
CHM 341L	INORGANIC CHEMISTRY LABORATORY	One credit hour
Laboratory will focus on synthesis of inorganic and organometallic complexes emphasizing inert atmosphere techniques and spectroscopy. CHM 341L must be taken concurrently with CHM 341 for credit. Lab: One 3-hour lab per week.		
CHM 351	ORGANIC SPECTROSCOPY	Two credit hours
<i>Prerequisite: CHM 252</i>		
A lecture/laboratory course covering spectroscopic techniques used in identifying organic molecules including UV and IR spectroscopy and NMR and mass spectrometry.		
CHM 403	LABORATORY PROJECTS	One half or one credit hour
<i>Prerequisite: Two years of college chemistry</i>		
Projects in analytical, inorganic, organic, physical chemistry or biochemistry are investigated with guidance of one of the professors in each field. An introduction to research techniques.		
CHM 411	TOPICS IN BIOCHEMISTRY	One half to two credit hours
<i>Prerequisite: CHM 311 or permission of the instructor</i>		
CHM 421	TOPICS IN ANALYTICAL CHEMISTRY	One-half to two credit hours
<i>Prerequisite: CHM 321 or permission of the instructor</i>		
Advanced topics in analytical chemistry.		
CHM 441	TOPICS IN INORGANIC CHEMISTRY	One-half to two credit hours
<i>Prerequisite: CHM 341 or permission of the instructor</i>		
Advanced topics in inorganic chemistry, including organometallics.		
CHM 451	TOPICS IN ORGANIC CHEMISTRY	One-half to two credit hours
<i>Prerequisite: CHM 252 or permission of the instructor</i>		
Advanced topics in organic chemistry.		
CHM 463	CHEMISTRY SEMINAR	One-half credit hour each
<i>Prerequisite: Junior standing and four courses in chemistry</i>		
Reports and discussions of recent work in inorganic, organic, analytical and physical chemistry. Four semesters required of juniors and seniors majoring in chemistry. Three of the seminar semesters are graded pass/fail. During the senior year a student is required to give an oral presentation which is equivalent to a comprehensive examination and is the student's grade for that semester.		
CHM 491, 492	DEPARTMENTAL THESIS/PROJECT	Credit hours to be arranged
See Departmental Thesis/Project, Section II.		

COLLEGE

Course Descriptions

COL 070 INTERNSHIP

Credits to be arranged

Internship proposals appropriate to a COL-prefix must be approved by the chairperson of the College Course Committee. For other details, see [Internship Program, Section II.](#)

COL 020 REFRESHER ALGEBRA

Two 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. The course is graded S/U.

COL 101 FIRST-YEAR EXPERIENCE

Two credit hours

The First-Year Experience class, is a two-credit hour graded course offered in the fall semester designed to enhance the transition and adjustment of new first-year students attending a four year private liberal arts institution like Baldwin-Wallace College. Students will engage in lively discussions and critically examine with their professor and a peer mentor (Course Assistant) relevant topics related to college life through the selected novel, guest speakers/lectures, and the experiences students share in class.

COL 115 CAREER DECISION-MAKING

One credit hour

Would you like to discover your true career path? Would you like to identify your natural skills and talents? If yes, College 115 is for you. This course leads students through three phases of the career development process: getting to know yourself, career exploration (learning more about your academic and career options), and career decision-making (crafting a plan to reach your career goals). Students will also be introduced to professional skills such as resume and cover letter writing, interviewing and networking. The course is graded S/U.

COL 120 EXCEL

Two credit hours

This is a two-credit hour semester long course designed to help selected first-year students acquire and develop skills necessary for college success- study strategies, critical thinking and reading, writing, listening, and speaking. Permission from the instructor is required to take this S/U class.

COL 121 ASSIST

One credit hour

The ASSIST class is a one-credit hour course offered to students as an alternative to academic suspension. The focus of this course is to help students (1) assess self-management, motivation and personal learning styles, (2) investigate and adopt college-level study strategies and techniques, (3) become aware of and use campus resources to help establish the connection between college and career, and (4) develop attitude, behaviors, routines, and methods to organize life and become successful students. Permission of the instructor is required to take this S/U class.

COL 122 CONNECTIONS

One credit hour

The Connections class is a one-credit full semester course offered as a requirement of students who have been placed on academic probation for the first time. The class explores multiple intelligence strategies, test-taking techniques, self-activators, and productivity principles. Other course topics will be presented to meet the special needs of the students. Students will be registered for the class through the Learning Center.

COL 123 STUDY STRATEGIES

One credit hour

The Study Strategies course is a one-credit hour minimester course open to anyone who would like to learn skills that empower students to become active, confident, independent, and successful college learners. Strategies such as managing time, marking texts, taking and using good notes, and preparing for and taking tests are emphasized. This class is graded S/U.

COL 163 PRIOR LEARNING ASSESSMENT***Two credit hours***

Baldwin-Wallace College recognizes the legitimacy of college-level learning which has taken place outside the traditional classroom setting and grants credit for this kind of learning where it relates to the college 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 college level and relevant to B-W 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 B-W prior to course entry. The course is graded S/U.

COL 228 LEADERSHIP EDUCATION AND DEVELOPMENT***Two credit hours***

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. The course is graded S/U.

COMMUNICATION ARTS & SCIENCES

Broadcasting & Mass Communication Major Computer Code: CBMC

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: 54 (plus prerequisites as indicated)

Required Courses (* = Prerequisite Required)

CAS 107F	Film and Culture	3 credits
OR		
CAS 108IF	International Cinema and Aesthetics	3 credits
CAS 121	Audio for Media	2 credits
CAS 126	Introduction to Communication	3 credits
CAS 161	Radio Production and Air Studio Management	2 credits
CAS 171	Fundamentals of Television Production	3 credits
CAS 207	Group Communication and Leadership	3 credits*
CAS 226	Writing for the Media	3 credits*

Six credits from any combination of the following practicum courses:

CAS 261	DJ Format Shift	2 credits*
CAS 271	Participation in BW-TV	3 credits*
CAS 361	Participation in WBWC	1–2 credits*
CAS 371	Advanced Production	3 credits*
CAS 275	Propaganda and Persuasion	3 credits
CAS 326	Radio and TV Announcing	3 credits*
CAS 377	Communication Theory	3 credits*
CAS 426	Broadcast Programming	2 credits*
CAS 428	Broadcast Law and Ethics	3 credits*
CAS 470	Internship	3 credits*
CAS 478	Capstone in Broadcasting	3 credits*

Requirements in other departments include ENG 232, BUS 305 (prerequisite 30 credit hours), and BUS 333 (prerequisites BUS 330 & ECN 100).

Broadcasting & 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 (* = Prerequisite Required)

CAS	107F	Film and Culture	3 credits
OR			
CAS	108IF	International Cinema and Aesthetics	3 credits
CAS	126	Introduction to Communication	3 credits

Four credits from any combination of the following practicum courses:

CAS	161	Radio Production and Air Studio Management	2 credits
CAS	171	Fundamentals of Television Production	3 credits
CAS	261	DJ Format Shift	3 credits*
CAS	271	Participation in BW-TV	3 credits*
CAS	277D	Media and Diversity	3 credits*
CAS	426	Broadcast Programming	2 credits*
CAS	428	Broadcast Law and Ethics	3 credits*

Communication Studies Major

Computer Code: CCST

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 (* = Prerequisite Required)

CAS	102	Interpersonal Communication	3 credits
CAS	112	Presentational Speaking	3 credits
CAS	126	Introduction to Communication	3 credits
CAS	207	Group Communication and Leadership	3 credits*
CAS	212	Business and Professional Communication	3 credits*
CAS	275	Propaganda and Persuasion	3 credits*
CAS	307	Nonverbal Communication	3 credits*
CAS	350	Organizational Communication	3 credits*
CAS	377	Communication Theory	3 credits*
CAS	411	Introduction to Communication Research Methods	3 credits*
CAS	412	Advanced Communication Research Methods	3 credits*
CAS	470	Internship	2 credits*
CAS	476	Capstone in Communication Studies	3 credits*

Complete one of the following:

CAS 277D Media and Diversity	3 credits*
CAS 285D Introduction to Intercultural Communication	3 credits*

Complete one of the following:

CAS 263 Seminar	2-4 credits*
CAS 328 Studies in Communication	3 credits*
CAS 463 Advanced Seminar	2-4 credits*

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 (* = Prerequisite Required)

CAS 126 Introduction to Communication	3 credits
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Complete one of the following:

CAS 102 Interpersonal Communication	3 credits
CAS 112 Presentational Speaking	3 credits

Complete one of the following:

CAS 207 Group Communication and Leadership	3 credits*
CAS 212 Business and Professional Communication	3 credits*
CAS 275 Propaganda and Persuasion	3 credits*

Complete one of the following:

CAS 277D Media and Diversity	3 credits*
CAS 285D Introduction to Intercultural Communication	3 credits*

Complete one of the following:

CAS 307 Nonverbal Communication	3 credits*
CAS 350 Organizational Communication	3 credits*
CAS 377 Communication Theory	3 credits*

Complete one of the following:

CAS 263 Seminar	2-4 credits*
CAS 328 Studies in Communication	3 credits*
CAS 463 Advanced Seminar	2-4 credits*

Communication Disorders Major

Computer Code: CCDC

The Communication 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. A minimum 3.0 overall GPA, 3.2 Communication Disorders GPA or consent of the program director is required for admission and retention in the program.

Minimum credits required: 55 (plus prerequisites as indicated)

Required Courses (* = Prerequisite Required)

CAS 105	Introduction to Communication Disorders	3 credits
CAS 134	Sign Language	3 credits
CAS 220	Speech and Language Development	3 credits*
CAS 225	Phonetics and Phonology	3 credits*
CAS 235	Clinical Management and Standards	2 credits*
CAS 285D	Introduction to Intercultural Communication	3 credits*
CAS 321	Anatomy and Physiology of Speech and Hearing Mechanisms	3 credits*
CAS 325	Articulation and Phonology Disorders	3 credits*
CAS 335	Clinical Practice- Individual Intervention	2 credits*
CAS 340	Language Disorders	3 credits*
CAS 420	Audiology	3 credits*
CAS 435	Clinical Practice- Group Intervention	1 credit*
CAS 440	Research Methods in Communication Disorders	3 credits*
CAS 477	Capstone in Communication Disorders	3 credits*
HPE 206	Medical Terminology	2 credits
PSY 110	Principles of Psychology	4 credits
PSY 205	Developmental Psychology	3 credits*
PSY 279	Elements of Statistics	4 credits*
PHY 101L	Acoustics	4 credits

Recommended Courses for Communication Disorders Major

CAS	334	Sign Language II	3 credits*
CAS	341	Voice and Fluency Disorders	3 credits*
CAS	421	Aural Rehabilitation	3 credits*
ENG	210	The Study of Language	3 credits
BIO		Any Biology Course	1-4 credits
SOC	281	SPSS: Data Analysis	4 credits

Communication Disorders Minor

A total of 17 credits are required for the Communication Disorders minor, courses include:

Required Courses

CAS	105	Introduction to Communication Disorders	3 credits
CAS	220	Speech and Language Development	3 credits*

Take 11 credits from the following list of courses:

CAS	134	Sign Language I	3 credits
CAS	225	Phonetics and Phonology	3 credits*
CAS	235	Clinical Management and Standards	2 credits*
CAS	321	Anatomy and Physiology of Speech and Hearing Mechanisms	3 credits*
CAS	325	Articulation and Phonology Disorders	3 credits*
CAS	334	Sign Language II	3 credits*
CAS	340	Language Disorders	3 credits*

CAS	341	Voice and Fluency Disorders	3 credits*
CAS	420	Audiology	3 credits*
CAS	440	Research Methods in Communication Disorders	3 credits*

Public Relations Major

Computer Code: CPBR

Minimum credit require: 43-45 (plus prerequisites as indicated)

Required Courses (* = Prerequisite Required)

CAS 120	Strategies in Public Relations	3 credits
CAS 125	Event Planning	3 credits
CAS 126	Introduction to Communication	3 credits
CAS 230	Practicum in Public Relations	1-3 credits
CAS 320	Internal Public Relations and Research	3 credits*
CAS 360	Public Relations Technology	3 credits*
CAS 410	Persuasive Campaigns	3 credits*
CAS 415	Studies in Public Relations	3 credits*
CAS 473	Senior Seminar: Leadership in Public Relations	3 credits*
BUS 305	Introduction to Management	3 credits*
BUS 330	Introduction to Marketing	3 credits*
Complete one of the following:		
CAS 275	Propaganda and Persuasion	3 credits*
CAS 315	Crisis Communication	3 credits*
CAS 350	Organizational Communication	3 credits*
Complete one of the following:		
CAS 226	Writing for the Media	3 credits*
ENG 232	Workshop in Journalism	3 credits*
Complete one of the following:		
ENG 305	Advanced Expository and Argumentative Writing	3 credits*
CAS 345	External Public Relations Writing	3 credits*
Complete one of the following:		
BUS 211	Principles of Accounting I	3 credits
BUS 329	Business Ethics	3 credits
BUS 358	Business Communication	3 credits
BUS 409D	Behavioral Theories of Management	3 credits*
BUS 410	Human Resources Management	3 credits*

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 credits
CAS	126	Introduction to Communication	3 credits
CAS	230	Practicum in Public Relations	3 credits
CAS	410	Persuasive Campaigns	3 credits*

Complete one of the following:

CAS	226	Writing for the Media	3 credits*
ENG	232	Workshop in Journalism	3 credits*
Take 6 credits from the following list of courses:			
BUS	305	Introduction to Management	3 credits*
BUS	330	Introduction to Marketing	3 credits*
BUS	333	Advertising Management	3 credits*
BUS	358	Business Communications	3 credits
BUS	409D	Behavioral Theories of Management	3 credits*
BUS	410	Human Resource Management	3 credits*
BUS	436I	International Marketing	3 credits*

Film Studies Major

Computer Code: CFLM

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: 46 (plus prerequisites as indicated)

Required Courses (* = Prerequisite Required)

CAS 107F	Film and Culture	3 credits
CAS 121	Audio for the Media	2 credits
CAS 207	Group Communication and Leadership	3 credits*
CAS 222F	Film History	3 credits*
CAS 273F	Film Production and Direction	3 credits*
CAS 322F	Film Themes and Genres	3 credits*
CAS 373F	Lighting for Film	3 credits*
CAS 422F	Film Makers	3 credits*
CAS 461	Screenwriting	3 credits*
CAS 474	Audio for Film	3 credits*
CAS 478	Capstone in Broadcasting	3 credits*
ART 115F	Two-Dimensional Design	2 credits
ART 222F	Introduction to Photography	2 credits
ART 225F	Two-Dimensional Computer Imaging	2 credits
ART 226F	Three-Dimensional Computer Imaging	2 credits
ART 102IF	Art Appreciation	3 credits
OR		
ART 432IF	Twentieth Century Art	3 credits
MUL 172IF	Music Appreciation	3 credits

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	107F	Film and Culture	3 credits
OR			
CAS	108IF	International Cinema and Aesthetics	3 credits
CAS	222F	Film History	3 credits*
CAS	273F	Film Production and Direction	3 credits*
CAS	322F	Film Themes and Genres	3 credits*
CAS	422F	Film Makers	3 credits*
ART	222F	Introduction to Photography	2 credits

Applied Communication Studies Major for Adult & Continuing Education Students

Computer Code: CACS

Minimum credits required: 38-40 (plus prerequisites as indicated)

Required courses (* = Prerequisite Required)

CAS	102	Interpersonal Communication	3 credits
CAS	112	Public Speaking	3 credits
CAS	126	Introduction to Communication	3 credits
CAS	203	Family Communication	3 credits*
CAS	207	Group Communication and Leadership	3 credits*
CAS	212	Business and Professional Communication	3 credits*
CAS	285D	Introduction to Intercultural Communication	3 credits*
CAS	307	Nonverbal Communication	3 credits*
CAS	328	Studies in Communication	3 credits*
CAS	350	Organizational Communication	3 credits*
CAS	410	Persuasive Campaigns	3 credits*
CAS	463	Seminar	2-4 credits*
CAS	476	Capstone in Communication Studies	3 credits*

Communications

Course Descriptions

CAS 050(I) INDEPENDENT STUDY

Credit hours to be arranged

See [Independent Study Program, Section II.](#)

CAS 259,359,459 FACULTY-STUDENT COLLABORATION

Credit hours to be arranged

See [FSC Program, Section II.](#)

CAS 102 INTERPERSONAL COMMUNICATION

Three 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 105 INTRODUCTION TO COMMUNICATION DISORDERS

Three 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.

CAS 107F FILM AND CULTURE

Three 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 108IF INTERNATIONAL CINEMA AND AESTHETICS *Three 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

Three credit hours

Prerequisite: 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

Three 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

Two 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

Three 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 Three credit hours

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 134 SIGN LANGUAGE Three 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.

CAS 161 RADIO PRODUCTION AND AIR STUDIO MANAGEMENT Two 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 Three 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 203 FAMILY COMMUNICATION Three credit hours

This course examines the following family interaction pattern: parent/child communication, sibling dynamics, marital communication, and interaction dynamics with extended family members. Cultural, ideological, and economical factors influencing families are also examined.

CAS 207 GROUP COMMUNICATION AND LEADERSHIP Three credit hours

Prerequisite: 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 Three credit hours

Prerequisite: 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 220 SPEECH AND LANGUAGE DEVELOPMENT Three credit hours

Prerequisite: CAS 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.

CAS 222F FILM HISTORY Three credit hours

Prerequisite: CAS 107F or CAS 108IF 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 225 PHONETICS AND PHONOLOGY *Three credit hours***
Prerequisite: CAS 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.
- CAS 226 WRITING FOR THE MEDIA *Three credit hours***
Prerequisite: CAS 126 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.
- CAS 230 PRACTICUM IN PUBLIC RELATIONS *One to three credit hours***
 Students will work on actual public relations campaigns that benefit the community. Each campaign must be approved and supervised by an instructor. This course can be repeated.
- CAS 235 CLINICAL MANAGEMENT AND STANDARDS *Two credit hours***
Prerequisite: CAS 105 and CAS 220
 An introduction to careers in speech-language pathology and audiology. Focusing on the basic skills needed for the management of a clinical caseload (i.e., writing long and short term goals, writing lesson plans, choose appropriate therapy materials, behavior management techniques, charting progress, writing progress reports, etc.). A brief review of diagnostic procedures is discussed. In addition, the student will have an understanding of the American Speech-Language and Hearing Association Code of Ethics, and the HIPAA requirements. Finally, students will be required to have completed their 25 observational hours by the end of this class.
- CAS 261 DJ FORMAT SHIFT *Two credit hours***
Prerequisite: 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 *Two to four credit hours***
Prerequisite: Varies dependent upon the course being offered
 The study of current topics of concern within the broadcasting and mass communication, communication studies, communication disorders, 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 *Three credit hours***
Prerequisite: 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 pre-production, principal photography, and post-production, as well as the importance of operating under studio deadlines. Course may be repeated.
- CAS 273F FILM PRODUCTION AND DIRECTION *Three credit hours***
Prerequisite: CAS 107F or CAS 108IF
 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 *Three credit hours***
Prerequisite: 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**Three credit hours***Prerequisite: CAS 126 or LAS 200*

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**Three credit hours***Prerequisite: CAS 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**Three credit hours***Prerequisite: CAS 105 or 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**Three credit hours***Prerequisite: CAS 120 and CAS 126*

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**Three credit hours***Prerequisite: 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 321 ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING MECHANISMS**Three credit hours***Prerequisite: CAS 105 and CAS 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.

CAS 322F(D) FILM THEMES AND GENRES**Three credit hours***Prerequisite: CAS 107F, CAS 108IF or registration with instructor's approval only*

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 350 ORGANIZATIONAL COMMUNICATION Three credit hours**
Prerequisite: 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 360 PUBLIC RELATIONS TECHNOLOGY Three credit hours**
Prerequisite: CAS 120 and CAS 126
 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 One or two 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 Three credit hours**
Prerequisite: CAS 271 or CAS 273F
 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 373F LIGHTING FOR FILM Three credit hours**
Prerequisite: CAS 273F, 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 Three credit hours**
Prerequisite: 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 Three credit hours**
Prerequisite: CAS 126
 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 Three credit hours**
Prerequisite: LAS 200, 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 440 RESEARCH METHODS IN COMMUNICATION DISORDERS *Three credit hours*

Prerequisite: CAS 105 and CAS 220; and at least one semester of CAS 335

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.

CAS 461 SCREENWRITING *Three credit hours*

Prerequisites: CAS 107F, Junior or Senior status, Film Majors only or registration with instructor's approval only

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 463 ADVANCED SEMINAR *Two to four credit hours*

Prerequisite: Varies dependent upon the course being offered

An advanced study of current topics of concern within the broadcasting and mass communication, communication studies, communication disorders, film studies, or public relations areas. May be repeated, provided that the topic is different.

CAS 470 INTERNSHIP *Credit hours to be arranged*

Prerequisite: At least 12 credit hours in CAS

Can consist of practical and/or clinical experience in any area of communications.

See [Internship Program, Section II.](#)

CAS 473 SENIOR SEMINAR: LEADERSHIP IN PUBLIC RELATIONS *Three credit hours*

Prerequisite: CAS 410 and CAS 415

Students enrolled in this course will learn the public relations writing techniques and formats necessary for the profession. This portfolio will include press releases for print, radio and television, media kits, backgrounders, advertising copy, and other public relations writing.

CAS 474F AUDIO FOR FILM *Three credit hours*

Prerequisite: 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 *Three credit hours*

Prerequisite: 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 477 CAPSTONE IN COMMUNICATION DISORDERS *Three credit hours*

Prerequisite: 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 college 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.

CAS 478

CAPSTONE IN BROADCASTING

Three credit hours

Prerequisite: 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.

COMPUTER SCIENCE

The Department of Computer Science offers two 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, software engineering, or related fields. The **Computer Information Systems major** (with concentrations in Information Systems Analyst and Network Analyst) is designed to prepare graduates for positions in information processing as business analysts, system designers, and network engineers or administrators.

Two five-year programs are offered to specially qualified students that combine either a **Computer Science or Computer Information Systems major** 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, Computer Information Systems Analyst, or Computer Information Systems Network Analyst may not use a minor in Computer Science (CSC) or Computer Information Systems (CIS) for their minor required by the college core requirements. While completion of a CSC or CIS minor will appear on the student's transcript if declared, the student will need to complete a minor other than CSC or CIS to meet the minor requirement of the core.

Computer Information Systems Major Information Systems Analyst Concentration

Computer Code: CISA

Minimum credits required: 32 in Computer Science, 7 in Mathematics, 9 in Business Administration, and 3 in Communication Studies (plus prerequisites as indicated)

(* = Prerequisite Required)

Required Communication Studies Course: 3 credits

CAS	112	Presentational Speaking	3 credits
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Required Mathematics Courses: 7 credits (plus prerequisites as indicated)

MTH	135	Intro to Probability and Statistics	3 credits*
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MTH	161	Discrete Mathematics I	4 credits*
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Required Business courses: 9 credits (plus prerequisites as indicated)

BUS	211	Principles of Accounting I	3 credits*
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BUS	208	Introduction to Business OR	3 credits*
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BUS	305	Introduction to Management	3 credits*
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BUS	358	Business Communications	3 credits*
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Required Computer Science: 32 credits (plus prerequisites as indicated)

CSC	180	Foundations in Computer Science	3 credits
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CSC	210	Computer Science I: Programs and Applications	3 credits*
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CSC	225	Intermediate Programming for Applications	4 credits*
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CSC	270	Data Communication Concepts	3 credits*
CSC	280	Introduction to Database Management Systems	3 credits*
CSC	370	Info Systems Security, Privacy, & Ethics	3 credits*
CSC	380	Advanced Database Management Systems	3 credits*
CSC	460	System Analysis and Design	4 credits*
CSC	465	Information Systems Project Management	3 credits*
CSC	470	Senior Internship OR	3 credits*
CSC	471	Senior Project	3 credits*

Computer Information Systems Major Network Analyst Concentration

Computer Code: CINA

Minimum credits required: 38 in Computer Science, 7 in Mathematics, 3 in Business Administration, and 3 in Communication Studies (plus prerequisites as indicated)
(* = Prerequisite Required)

Required Communication Studies Course: 3 credits

CAS	112	Presentational Speaking	3 credits
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Required Mathematics Courses: 7 credits (plus prerequisites as indicated)

MTH	135	Intro to Probability and Statistics	3 credits*
MTH	161	Discrete Mathematics I	4 credits*

Required Business courses: 3 credits (plus prerequisites as indicated)

BUS	358	Business Communications	3 credits*
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Required Computer Science: 38 credits (plus prerequisites as indicated)

CSC	180	Foundations in Computer Science	3 credits
CSC	210	Computer Science I: Programs and Applications	3 credits*
CSC	225	Intermediate Programming for Applications	4 credits*
CSC	270	Data Communication Concepts	3 credits*
CSC	280	Introduction to Database Management Systems	3 credits*
CSC	290	Introduction to Local Area Networks	3 credits*
CSC	370	Info Systems Security, Privacy, & Ethics	3 credits*
CSC	410	Advanced Local Area Networks	3 credits*
CSC	411	System and Network Administration	3 credits*
CSC	460	Systems Analysis and Design	4 credits*
CSC	465	Information Systems Project Management	3 credits*
CSC	470	Senior Internship OR	3 credits*
CSC	471	Senior Project	3 credits*

Computer Information Systems Minor

The minor includes a minimum of 23 credits (plus prerequisites as indicated):

Mathematics Requirements: 4 credits (plus prerequisites as indicated)

MTH 161 Discrete Mathematics I 4 credits*

Computer Science Requirements: 19 credits (plus prerequisites as indicated)

CSC 180 Foundations in Computer Science 3 credits

CSC 210 Computer Science I: Programs and Applications 3 credits*

CSC 225 Intermediate Programming for Applications 4 credits*

CSC 270 Data Communication and Concepts 3 credits*

CSC 280 Introduction to Database Management Systems 3 credits*

Additional CSC credits numbered above 200 3 credits*

Computer Science Major

Computer Code: CSCI

Computer Science Concentration

Minimum credits required: 37 in Computer Science courses and 15 in Mathematics (plus prerequisites as indicated) (* = Prerequisite Required)

Required Mathematics Courses: 18 credits (plus prerequisites as indicated)

MTH 161 Discrete Mathematics I 4 credits*

MTH 141 Calculus I 4 credits*

MTH 142 Calculus II 4 credits*

One MTH course numbered above 201 3 or more credits

Required Computer Science : 37 credits (plus prerequisites as indicated)

CSC 180 Foundations in Computer Science 3 credits

CSC 210 Computer Science I: Programs and Applications 3 credits*

CSC 225 Intermediate Programming for Applications 4 credits*

CSC 245 Data Structures 3 credits*

CSC 280 Introduction to Database Management Systems 3 credits*

CSC 320 Computer Architecture & Hardware 3 credits*

CSC 330 Web Programming 3 credits*

CSC 370 Info Systems Security, Privacy, & Ethics 3 credits*

CSC 400 Operating Systems 3 credits*

CSC 420 Formal Languages & Automata **OR** 3 credits*

CSC 430 Algorithms 3 credits*

CSC 470 Senior Internship **OR** 3 credits*

CSC 471 Senior Project 3 credits*

Additional CSC credits numbered above 200 3 credits*

Computer Science Minor

The minor includes a minimum of 23 credits (plus prerequisites as indicated):

Required Mathematics courses: 4 credits (plus prerequisites as indicated)

MTH 161 Discrete Mathematics I 4 credits*

Required Computer Science Courses: 19 credits (plus prerequisites as indicated)

CSC 180 Foundations in Computer Science 3 credits

CSC 210 Computer Science I: Programs and Applications 3 credits*

CSC 225 Intermediate Programming for Applications 4 credits*

CSC 245 Data Structures 3 credits*

CSC 280 Introduction to Database Management Systems 3 credits*

One of CSC 320, CSC 400, CSC 420, or CSC 430 3 credits*

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
AB	3, 4, 5	6	CSC 210, 245

Computer Science Course Descriptions

CSC 050 INDEPENDENT STUDY *One to three 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. See [Independent Study Program, Section II.](#)

CSC 070 INTERNSHIP *Credit hours to be arranged*

Academic credit is offered for appropriate off-campus, computer-related experience. See [Internship Program, Section II.](#)

CSC 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*

See [FSC Program, Section II.](#)

CSC 121 TECHNOLOGICAL LITERACY FOR TODAY'S WORLD *Three credit hours*

This course introduces concepts and methods concerning the use of computer-based systems in business and other aspects of society, including communication technologies and the sciences. Several applications will be introduced in a hands-on, laboratory setting, including word processing, presentation software, spreadsheets, HTML, e-mail, the Internet, and the World Wide Web.

CSC 131 COMPUTER APPLICATION SOFTWARE Two credit hours

Prerequisite: Dependent upon topic

The focus is on the application of a specific software product. Techniques for using software will be learned while applying them to the solution of information-processing problems. Students are permitted to repeat the course when it is offered with a different software application, but no more than six credit hours of CSC 131 may be counted toward graduation requirements.

CSC 135 WEB SITE DESIGN Three 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 Joomla or Dreamweaver is also included. Several web sites will be developed to practice the implementation of the technologies discussed.

CSC 141 ADVANCED APPLICATIONS FOR INFORMATION ANALYSIS Three credit hours

Prerequisite: CSC 121 or basic computer literacy, including the use of word processing and beginning Excel, is assumed; readiness for MTH 136 or higher.

This course focuses on spreadsheet and database technologies with an emphasis of the use of those technologies into specific application domains including business and the sciences. 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 180 FOUNDATIONS IN COMPUTER SCIENCE Three credit hours

This introductory course is designed for those students intending to major or minor in Computer Science or Computer Information Systems. Topics include the internal representation of values and instructions, digital logic and circuits, machine language, network terminology and architecture, parallel and distributed algorithms, data communications, security, and the use of global networks.

CSC210 COMPUTER SCIENCE I: PROGRAMS AND APPLICATIONS Three credit hours

Prerequisite: readiness for MTH 136 or higher (excluding MTH 137)

This course covers the fundamental concepts of computers and computer programming. It introduces a variety of problem-solving paradigms, but concentrates on procedural and object-oriented programming. Repetition, selection, procedures, simple data types, arrays, and records are covered. Structured design and programming techniques are emphasized.

CSC225 INTERMEDIATE PROGRAMMING FOR INFORMATION SYSTEMS Four credit hours

Prerequisite: CSC 180 and CSC 210; Corequisite: MTH 161

This course introduces the concept of structured programming in a business-programming environment. Concepts covered include object-oriented program structures, developing text and GUI interfaces, file processing, database information processing, data conversion and information processing.

CSC245 DATA STRUCTURES Three credit hours

Prerequisite: CSC 225 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. The more advanced language features of C++ including inheritance, polymorphism, templates, and exception handling are also studied.

CSC250 MULTIMEDIA PROGRAMMING Three credit hours

Prerequisite: CSC 180 and CSC 210

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.

- CSC263 SEMINAR** *One to three credit hours*
 Selected topics in computer science
- CSC270 DATA COMMUNICATION CONCEPTS** *Three credit hours*
Prerequisite: CSC 180 and CSC 210
 This course is an initiation 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.
- CSC280 INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS** *Three credit hours*
Prerequisite: CSC 180, CSC 210 and MTH 161
 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. The project focuses on retrieving and answering queries from and to a Web interface.
- CSC290 INTRODUCTION TO LOCAL AREA NETWORKS** *Three credit hours*
Prerequisite: CSC 270
 This course covers the design, installation and administration of Local Area Networks (LANs) at the Operating System level. It contains a lab component in which a fully functional client/server network is designed and configured.
- CSC320 COMPUTER ARCHITECTURE & ORGANIZATION** *Three credit hours*
Prerequisite: CSC 245
 This course covers computing history, computer technology and terminology, basic logic design, computer architecture, CPU architecture, memory systems and assembly language.
- CSC330 WEB PROGRAMMING** *Three credit hours*
Prerequisite: CSC 225
 This course focuses on the client technologies used in deploying Web sites. Topics covered include XML, CSS, JavaScript, ASP.NET/C#, and an introduction to web security.
- CSC370 INFO SYSTEMS SECURITY, PRIVACY, & ETHICS** *Three credit hours*
Prerequisite: CSC 180 and CSC 210
 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, access and information flow controls, memo and technical writing.
- CSC 380 ADVANCED DATABASE MANAGEMENT SYSTEMS** *Three credit hours*
Prerequisite: CSC 280
 This course stresses advanced topics in database management systems, particularly: advanced processing and SQL techniques, recovery and security issues and strategies, advanced database models, performance and tuning issues, distributed databases including data warehousing and related concepts.
- CSC 400 OPERATING SYSTEMS** *Three credit hours*
Prerequisite: 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 471

SENIOR PROJECT

Three credit hours

Prerequisite: Permission of instructor

This course provides a project-oriented experience and is intended primarily for those students who are seeking a research experience or who for logistical reasons are unable to participate in an internship experience. Students seeking to pursue this option must submit a detailed project proposal to the computer science faculty for approval. 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.

CRIMINAL JUSTICE

The interdisciplinary major in Criminal Justice, offered by the Division 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 college 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.

Criminal Justice Major

Computer Code: CRJS

Minimum credits required: 52 to 56 (including prerequisite courses as indicated)

Prerequisites:

PSY 110, POL 101, and SOC 100D are required of all Criminal Justice majors.

These courses are to be completed before taking other required courses in that department as indicated below. (* = Requires prerequisite course)

Criminal Justice core: 25-26 hours required

CRJ 165	Overview of the CRJ System	4 credits
POL/CRJ 207	Introduction to Law	3 credits
CRJ/SOC 223	Juvenile Delinquency & the Juvenile Justice System	3 credits
CRJ/SOC 265	Policing in Society	3 credits
SOC/CRJ 313	Criminology	3 credits*
CRJ/SOC 361	Corrections	3 credits
CRJ 464	Integrative Seminar In Criminal Justice	3 credits

Select one of the following:

SOC/CRJ 320	Victimology	3 credits*
CRJ 255	Forensic Science and Criminalistics	3 credits*
CRJ 256	Criminal Investigations	4 credits*

Psychology: 10-12 hours required

PSY 110	Principles of Psychology	4 credits
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Select two of the following:

PSY 205	Developmental Psychology	3 credits*
PSY 302	Abnormal Psychology	4 credits*
PSY 316D	Child Psychopathology	3 credits
PSY 325	Adolescent Development	4 credits*
PSY 339	Social Psychology	4 credits*

Political Science: 7 hours required

POL 101	American National Government	4 credits
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Select one of the following:

POL 303	Public Administration	3 credits
POL 304D	Urban Politics	3 credits
POL 306	Judicial Process	3 credits
POL 309	Criminal Law and the Constitution	3 credits

Sociology: 7 hours required

SOC 100D	Principles of Sociology	4 credits
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Select one of the following:

SOC 206	Crime in Organizations	3 credits
SOC/CRJ 270I	Terrorism: Roots and Responses	3 credits
SOC 317	Sociology of Deviance	3 credits
SOC 365	Perspectives on Violence	3 credits*

Statistics: 3-4 hours required

Select one of the following:

MTH 135	Introduction to Probability & Statistics	3 credits
ECN 279	Elements of Statistics	4 credits
PSY 279	Elements of Statistics	4 credits

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 100/110, POL 101, SOC 100D). If you must repeat a course under those circumstances, you will not be given duplicate credit for the same course. (**Note:** PSY 279 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 credits*
OR			
PSY	280	Research Methods	3 credits*
PSY	281	Thesis in Psychology	3 credits*

CRJ Elective for all CRJ majors:

CRJ 050 Independent Study

Strongly recommended for all CRJ majors:

CRJ 070 Criminal Justice Internship

Criminal Justice

Course Descriptions

In addition to the courses offered in political science, psychology and sociology, there also are specifically designated criminal justice (CRJ) courses within the interdisciplinary major.

CRJ 050(I) **INDEPENDENT STUDY** *Credit hours to be arranged*
(Elective)

Students must generally have at least a 3.0 overall G.P.A. See [Independent Study Program, Section II.](#)

CRJ 070 **INTERNSHIP** *Credit hours to be arranged*
(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 (see [Internship Program, Section II](#)). 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 259,359,459 **FACULTY-STUDENT** *Credit hours to be arranged*
COLLABORATION

See [FSC Program, Section II.](#)

CRJ 165 **OVERVIEW OF THE CRIMINAL** *Four credit hours*
JUSTICE SYSTEM

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.

POL/CRJ 207 **INTRODUCTION TO LAW** *Three 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.

CRJ/SOC 223 **JUVENILE DELINQUENCY &** *Three credit hours*
THE JUVENILE JUSTICE
SYSTEM

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.

CRJ 255 **FORENSIC SCIENCE AND** *Three credit hours*
CRIMINALISTICS

Prerequisite: 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.

CRJ 256 CRIMINAL INVESTIGATIONS Four credit hours

Prerequisite: CRJ 165

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 265 POLICING IN SOCIETY Three 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.

SOC/CRJ 313 CRIMINOLOGY Three credit hours

Prerequisite: SOC 100D or SOC 106

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.

SOC/CRJ 320 VICTIMOLOGY Three credit hours

Prerequisite: 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.

CRJ/SOC 361 CORRECTIONS Three 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.

SOC/CRJ 365 PERSPECTIVES ON VIOLENCE Three credit hours

Prerequisite: 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.

**CRJ 464 INTEGRATIVE SEMINAR IN
CRIMINAL JUSTICE Three credit hours**

Prerequisite: 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.

DIGITAL MEDIA AND DESIGN

Digital Media & Design Major

Computer Code: DMDS

Minimum credits required: 50-52

Required courses (* = Prerequisite Required)

ART	103FD	Art of Our Time	3 credits
ART	110F	Drawing I	2 credits
ART	111F	Drawing II	2 credits*
ART	115F	Two Dimensional Design	2 credits
ART	117F	Color Theory	2 credits
ART	220F	Digital Photography	2 credits
ART	225F	Introduction to Photoshop	2 credits
ART	226F	Three Dimensional Computer Imaging	2 credits
ART	340	Graphic Design I	2 credits*
ART	440	Graphic Design II	2 credits*
CAS	126	Introduction to Communication	3 credits
CAS	226	Writing for the Media	3 credits*
CAS	377	Communication Theory	3 credits*

OR when appropriate the following topic courses: CAS 263, CAS 328 or CAS 463

CSC	180	Foundations of Computer Science	3 credits
CSC	210	Computer Science I: Programs & Applications	3 credits*
CSC	250	Multimedia Programming	3 credits*

Design Track

At least 11-13 credit hours should be completed from one of the two design tracks.

Interactive Design Track:

CSC	225	Intermediate Programming for Information Systems	4 credits*
CSC	280	Introduction to Database Management Systems	3 credits*
CSC	330	Web Programming	3 credits*
CSC	471	Senior Project	3 credits*

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

Media Design Track:

CAS	121	Audio for Media	2 credits
CAS	171	Television Production and Direction	3 credits
CAS	476	Senior Capstone	3 credits*
CSC	135	Web Site Design	3 credits

DIVERSITY STUDIES MINOR

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.

Diversity Studies

Computer Code: DVST

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 (* = Prerequisite Required)

Required Course: 3 credits

DST	463	Seminar in Diversity Studies	3 credits
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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.

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	Studies in Communication (<i>when taught as Gender Communications</i>)	3 credits*
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POL	208D	Special Legal Studies: when offered as "Women & Law" or "Sex and the Law"	1-3 credits
PHL	207D	Feminist Philosophy	4 credits
PSY	215D	Psychology of Women	4 credits*
SOC	290D	Gender Roles	3 credits

Seminar and Topics courses as deemed appropriate

Diversity Studies courses:

BUS	409D	Behavioral Theories of Management	3 credits*
CAS	277D	Media and Diversity	3 credits*
CAS	285D	Introduction to Intercultural Communication	3 credits*
CAS	328D	Studies in Communication (<i>when taught as Diversity in America</i>)	3 credits*
ECN	341D	Episodes in the Economic History of North America & the Caribbean	4 credits
ECN	356D	Urban Economics	3 credits
HIS	170D	Diversity in America	3 credits
HIS	260D	Topics in History (<i>when taught as African-American History</i>)	3-4 credits
LDR	202D	Contemporary Problems in Leadership	3 credits
MUL	228FD	Jazz History	2 credits
POL	202	Major Policy Issues: when topic is appropriate	1-3 credits
POL	203D	Civil Rights I	2 credits
POL	204D	Civil Rights II	2 credits
POL	263D	Seminar (<i>when topic is Civil Rights</i>)	2 credits
POL	304D	Urban Politics	3 credits
POL	333D	Contemporary Political Voices at the Margins	3 credits
PSY	345D	Multicultural Psychology	4 credits
REL	106I	Hinduism	2 credits
REL	108I	Islam	2 credits
REL	110	Judaism	3 credits
REL	115D	African-American Religious Experience	3 credits
REL	193D	Seminar (<i>when taught as Dr. Martin Luther King Jr. or King and American Racism</i>)	3 credits
REL	211D	Jewish Liturgical Year	3 credits
REL	218D	American Religious Pluralism	3 credits
REL	293D	Seminar (<i>when taught as History of Gospel Music</i>)	3 credits
SOC	201D	Social Problems	4 credits
SOC	301D	Social Inequalities	3 credits
SOC	302I	Racial & Cultural Minorities	3 credits
SOC	418D	Social Movements	3 credits

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 Major

Computer Code: ECNS

Minimum credits required: 40 (* = Prerequisite Required)

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

BUS	211	Principles of Accounting I	4 credits
ECN	101	Principles of Economics I	4 credits
ECN	102	Principles of Economics II	4 credits*
ECN	279	Elements of Statistics	4 credits*
ECN	379	Advanced Statistical Methods	4 credits*
ECN	301	Intermediate Microeconomics	4 credits*
ECN	302	Intermediate Macroeconomics	4 credits*
ECN	463	Research Seminar	3 credits*
3 Elective courses in Economics at the 300 level			9 credits*

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

Mathematical Economics Major

Computer Code: MTEC

Minimum credits required: 50

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	101	Principles of Economics I	4 credits
ECN	102	Principles of Economics II	4 credits
ECN	301	Intermediate Microeconomics	4 credits
ECN	302	Intermediate Macroeconomics	4 credits
ECN	279**	Elements of Statistics OR	4 credits
MTH	405	Mathematical Statistics	4 credits
ECN	363M	Mathematical Topics in Economics	3 credits
ECN	379	Advanced Statistical Methods	4 credits
ECN	463	Research Seminar	3 credits

Total credits in Economics: 30

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

Required courses:

Mathematics Department

MTH	141	Calculus I	4 credits
MTH	142	Calculus II	4 credits
MTH	243	Calculus III	4 credits
MTH	211	Linear Algebra	4 credits
MTH	212	Differential Equations OR	4 credits
MTH	405	Mathematical Statistics I	4 credits

Total credits in Mathematics: 20

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

Economics Minor

A minor in economics consists of 22 to 26 credit hours. Students must take ECN 101, 102, 301, and two other economics courses at the 300 or 400 level. The minor is completed by taking either ECN 279 or BUS 211.

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 Division 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.

Economics Course Descriptions

ECN 050(I)

INDEPENDENT STUDY

One to four 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. Also see [Independent Study Program, Section II](#)

ECN 070

INTERNSHIP

One to eight 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. Also see [Internship Program, Section II](#).

ECN 259,359,459 FACULTY-STUDENT COLLABORATION

Credit hours to be arranged

See [FSC Program, Section II](#).

ECN 100

SURVEY OF ECONOMICS

Three credit hours

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 101 and/or ECN 102.

ECN 101

PRINCIPLES OF ECONOMICS I

Four 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 102

PRINCIPLES OF ECONOMICS II

Four credit hours

Prerequisite: ECN 101

Principles and problems of macroeconomics: national income, employment, inflation, economic growth, monetary and fiscal policies, international economics and alternative economic systems.

ECN 150I HUMANS AND THE EARTH: CAN WE COEXIST? Three credit hours

This team-taught, interdisciplinary course examines global environmental issues, including biodiversity, climate, energy and population from economic and other disciplinary perspectives. These other perspectives will vary depending upon the academic disciplines of the other two faculty members who teach the course. The student can satisfy three core credits, either in the sciences (BIO 150I) or in the social sciences (ECN 150I).

ECN 201 ECONOMICS SURVEY FOR BUSINESS PROFESSIONALS Four credit hours

Prerequisite: MTH 136

An accelerated introduction to the principles of microeconomics and macroeconomics including basic supply and demand, opportunity costs, marginal analysis, market structures, fiscal and monetary policy, international trade and finance. This course is open only to students enrolled in the Professional Business Degree Program.

ECN 279 ELEMENTS OF STATISTICS Four credit hours

Prerequisite: MTH 136 or higher level math course recommended, or consent of the instructor. This course will not count toward satisfying the social sciences portion of the core curriculum requirement of the College.

Introduction to basic statistical concepts including descriptive statistics, probability, confidence intervals, sampling distributions, hypothesis testing, correlation and regression. Emphasis is placed on statistical reasoning and data analysis with applications in economics, business and the social sciences.

ECN 301 INTERMEDIATE ECONOMICS I (MICRO THEORY) Four credit hours

Prerequisite: ECN 101, 102 and 279 or 379.

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) Four credit hours

Prerequisite: ECN 101, 102 and 279

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 339 MONEY & BANKING Three credit hours

Prerequisite: ECN 101, 102

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 Three credit hours

Prerequisite: ECN 101, 102

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 Classics, Marxists, Neoclassicals and Keynesians.

ECN 341 US ECONOMIC HISTORY Three credit hours

Prerequisite: ECN 101, 102

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/BUS 344 GAME THEORY Three credit hours

Prerequisite: ECN 101, 102

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 349 LABOR IN THE ECONOMY Three credit hours

Prerequisite: ECN 101, 102

Develops the theoretic foundations for the analysis of labor markets. Other topics include education and the development of human capital; labor-market search models; wage-based incentive programs; the theory of union-management negotiation and a discussion of labor-market discrimination. The course emphasizes analytic techniques that may be applied to issues as diverse as welfare reform, immigration policy and the economic incentives to crime.

ECN 352 PUBLIC FINANCE Three credit hours

Prerequisite: ECN 101, 102

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 Three credit hours

Prerequisites: ECN 101, 102

This upper-division 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 ECONOMICS Three credit hours

Prerequisite: ECN 101, 102

A study of the economic processes through which cities and regions develop, grow and mature. Economic theories of urban and metropolitan development and studied and applied to contemporary problems such as urban fiscal and economic decline, crime, poverty, housing, transportation and central city-suburban competition.

ECN 358 ENVIRONMENTAL ECONOMICS Three credit hours

Prerequisite: ECN 101, 102

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. Offered in alternate years.

ECN 360I COMPARATIVE ECONOMIC SYSTEMS Three credit hours

Prerequisite: ECN 101, 102

A comparative study of the operation of different economic systems, in theory and as practiced currently in the major economies of the world. Offered as needed.

ECN 362I ECONOMICS OF DEVELOPING COUNTRIES Three credit hours

Prerequisite: ECN 101, 102

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. Offered in alternate years.

ECN 363(M) TOPICS IN ECONOMICS Three credit hours

Prerequisite: ECN 101, 102, MTH 142 and consent of instructor

Examination of special topics in economics. A mathematical version of this course is required for students majoring in mathematical economics. Offered as needed.

ECN 365I INTERNATIONAL ECONOMICS *Three credit hours*

Prerequisite: ECN 101, 102

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 *Four credit hours*

Prerequisite: ECN 279

Intensive study of statistical methods and applications widely used in economic and related fields is undertaken. Students normally analyze a chosen research question. Statistical topics include ordinary least squares, generalized least squares, and methods to address other specific data problems. Computer use with statistical software is intensive.

ECN 463 RESEARCH SEMINAR *Three credit hours*

(Formerly ECN 250) Prerequisites ECN 101, 102, 279, senior standing or permission of instructor. In addition, ECN 301, 302 and 379 are recommended.

A review and discussion of the main research methods used by economists. Students undertake a capstone research project. They begin by choosing and refining a research question, followed by a thorough literature review. Economic theory, evidence, and the development and testing of a hypothesis are used, as appropriate, to answer the research question. Both the question and the methodology are presented to the seminar at various stages of the research.

ECN 491,492 DEPARTMENTAL THESIS/PROJECT *Credit hours to be arranged*

Open only to students receiving permission of the Dean of College 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. Also see [Departmental Thesis/Project, Section II.](#)

EDUCATION

Baldwin-Wallace College is accredited by The Higher Learning Commission, a commission of the North Central Association. The programs offered by the Division of Education are approved by the State of Ohio Department of Education and fully accredited by the National Council for Accreditation of Teacher Education to prepare teachers for teaching 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 the junior and senior high schools, and multi-age education (prekindergarten-grade 12), for teaching subjects such as foreign language, health, music, physical education, and visual arts.

The Division 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. Through a series of professional and self-assessments, teacher education graduates will be able to demonstrate proficiency in each of the six areas.

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 B-W 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 college experience. Initial field experiences include observation, tutoring, and assisting teachers in their classrooms. By their junior year candidates have not only practiced teaching in their B-W 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 values to move confidently into their final clinical experience, student teaching.

Dispositions

The faculty in the Division of Education believe that effective teachers possess and develop characteristics, attitudes and behaviors that contribute to their students' success. These include:

1. Candidates will contribute to a positive climate in both the college classroom and in the P-12 setting.
2. Candidates will demonstrate mastery of written and spoken language for self-expression and in communication with others.
3. Candidates are thoughtful and responsive listeners.
4. Candidates will demonstrate a commitment to reflection, assessment, and learning as ongoing processes.
5. Candidates will demonstrate a willingness to give and receive help.
6. Candidates will demonstrate sensitivity to community and cultural norms of the teacher education program, the college classroom, and clinical/practicum settings.
7. Candidates will show that they value human diversity and show respect for others' varied talents and perspectives.
8. Candidates will show that they value the development of critical thinking, independent problem solving, and performance capabilities in himself or herself and P-12 students.

9. Candidates will demonstrate a commitment to keeping abreast of new ideas and understandings in the field of education.
10. Candidates will demonstrate a level of responsibility appropriate for a professional.

Students are periodically assessed in class and field work on these dispositions. They are provided feedback to encourage individual growth and development.

Licensure

A provisional teacher license, valid for two years, will be issued by the State of Ohio to students 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 an Entry Year Program and may be used for substitute teaching. Although variations exist according to individual majors, the basic professional education requirements include the following courses and their credit-hour values.

Early Childhood Education License (prekindergarten-grade 3)

Computer Code: EDUC

Minimum professional education credits required: 57

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.

The basic professional education course requirements include the following courses and their credit hour values:

EDU 101	Introduction to Education and Teaching	2 credits
EDU 102	Introductory Field Experience	0 credits
EDU 103D	Education of Children with Special Needs	2 credits
EDU 104	Technologies for the K-12 Educator	3 credits
PSY 205	Developmental Psychology	3 credits
EDU 203	Introduction to Early Childhood Education	3 credits
EDU 204	The Teaching of Phonics	3 credits
EDU 208	Developmentally Appropriate Programs in Early Childhood Education	2 credits
EDU 209	Guiding Young Children	2 credits
EDU 210	Family & Community in Early Childhood Education	2 credits
EDU 211D	Exploring Education in a Diverse Society	3 credits
EDU 330	Assessment in Early Childhood Education	2 credits
EDU 331	Literature in Early Childhood Education	2 credits
EDU 332	Literacy Instruction in Early Childhood Education	3 credits
EDU 333	Reading Instruction in Early Childhood Education	3 credits
EDU 334	Diagnostic & Remedial Reading Methods	3 credits
EDU 335	Social Studies Instruction in Early Childhood Education	2 credits
EDU 336	Science/Health Instruction in Early Childhood Education	2 credits
EDU 337	Mathematics Instruction in Early Childhood Education	3 credits
EDU 480	Clinical Practice in Early Childhood Education	9 credits

EDU 492 Senior Capstone Seminar 3 credits

The degree earned with a major in Early Childhood Education is a Bachelor of Science in Education (B.S. in 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 credits
EDU 276	Behavior Management for Students with Mild/Moderate Educational Needs	3 credits
EDU 347	Mathematics Instruction in Middle Childhood Education	3 credits
EDU 348	Reading in the Content Area	3 credits
EDU 377	Assessment for Students with Mild/Moderate Educational Needs	3 credits
EDU 394	Remediation Across the Curriculum	3 credits
EDU 475	Professional Collaboration and Transition Development	3 credits
EDU 415B01	Clinical Practice in Mild/Moderate Educational Needs (1/2 semester)	5 credits
EDU 417A01	Clinical Practice in Early Childhood Education (1/2 semester)	4 credits

Middle Childhood Education (grades 4-9)

Computer Code: EDMC

Minimum professional education credits required: 47

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* (29 hours) (3.0 GPA required)
- Mathematics* (30-32 hours) (2.5 GPA required)
- Science* (21-23 hours) (2.6 GPA required)
- Social Studies* (27 hours) (2.6 GPA required)

The basic professional education course requirements include the following courses and their credit hour values:

EDU 101	Introduction to Education and Teaching	2 credits
EDU 102	Introductory Field Experience	0 credits
PSY 205	Developmental Psychology	3 credits
EDU 103D	Education of Children with Special Needs	2 credits
EDU 104	Technologies for the K-12 Educator	3 credits
EDU 201	Teaching Strategies & Management Skills	3 credits
EDU 204	The Teaching of Phonics	3 credits
EDU 205	Introduction to Middle Childhood Education	3 credits
EDU 211D	Exploring Education in a Diverse Society	3 credits
EDU 340	Assessment of Teaching and Learning	2 credits
EDU 341	Adolescent/Young Adult Literature	2 credits
EDU 343	Reading Instruction in Middle Childhood Education	3 credits

EDU 348	Reading in the Content Area	3 credits
EDU 334	Diagnostic and Remedial Reading Methods	3 credits
EDU 481	Clinical Practice in Middle Childhood Education	9 credits
EDU 492	Senior Capstone Seminar	3 credits

*Teaching fields qualify as minors for middle childhood majors.

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

See Division 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 Need	3 credits
EDU 276	Behavior Management for Students with Mild/Moderate Educational Needs	3 credits
EDU 333	Reading Instruction in Early Childhood Education	3 credits
EDU 337	Mathematics Instruction in Early Childhood Education	3 credits
EDU 377	Assessment for Students with Mild/Moderate Educational Needs	3 credits
EDU 394	Remediation Across the Curriculum	3 credits
EDU 475	Professional Collaboration and Transition Development	3 credits
EDU 415B01	Clinical Practice in Mild/Moderate Educational Needs (1/2 semester)	5 credits
EDU 418A01	Clinical Practice Middle Childhood Education (1/2 semester)	4 credits

Adolescent Young Adult (AYA) Education* Computer Code: LYAM **(7-12) License and Multi-Age Education*** **(prekindergarten-grade 12) License**

Minimum professional education credits required: 38-39

For adolescent young adult and 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.

The basic professional education course requirements include the following courses and their credit hour values:

EDU 101	Introduction to Education and Teaching	2 credits
EDU 102	Introductory Field Experience	0 credits
EDU 103D	Education of Children with Special Needs	2 credits
EDU 104	Technologies for the K-12 Educator	3 credits
PSY 205	Developmental Psychology	3 credits
EDU 201	Teaching Strategies & Management Skills	3 credits

EDU 206	Introduction to Adolescent Education	2 credits
EDU 211D	Exploring Education in a Diverse Society	3 credits
EDU 340	Assessment of Teaching and Learning	2 credits
EDU 348	Reading in the Content Area	3 credits
EDU 350-358	Special Methods in Adolescent Young Adult/Multi-Age Teaching Field	3/4 credit
EDU 487	Clinical Practice: Adolescent Young Adult Education	9 credits
	OR	
EDU 490	Clinical Practice: Multi-Age Education	9 credits
EDU 492	Senior Capstone Seminar	3 credits

*Completing AYA or Multi-Age requirements constitutes a minor in either area.

Licensure Courses

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

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

See Division 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 Adolescent Young Adult/Multi-Age Education candidate must complete the following sequence of courses:

EDU 204	The Teaching of Phonics	3 credits
EDU 274	Introduction to Students with Mild/Moderate Educational Needs	3 credits
EDU 276	Behavior Management for Students with Mild/Moderate Educational Needs	3 credits
EDU 334	Diagnostic & Remedial Reading Methods	3 credits
EDU 343	Reading Instruction in Middle Childhood Education	3 credits
EDU 347	Mathematics Instruction in Middle Childhood Education	3 credits
EDU 377	Assessment for Students with Mild/Moderate Educational Needs	3 credits
EDU 394	Remediation Across the Curriculum	3 credits
EDU 475	Professional Collaboration and Transition Development	3 credits
EDU 415B01	Clinical Practice in Mild/Moderate Educational Needs (1/2 semester)	5 credits
EDU 419A01	Clinical Practice Adolescent Education (1/2 semester)	4 credits

Mild/Moderate Educational Needs (K-12) License

Computer Code: EDUD

Minimum professional education credits required: 75

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.

The basic professional education and specialization course requirements include the following courses and their credit hour values:

EDU 101	Introduction to Education and Teaching	2 credits
EDU 102	Introductory Field Experience	0 credits
EDU 103D	Education of Children with Special Needs	2 credits
EDU 104	Technologies for the K-12 Educator	3 credits
PSY 205	Developmental Psychology	3 credits
EDU 201	Teaching Strategies & Management Skills	3 credits
EDU 204	The Teaching of Phonics	3 credits
EDU 211D	Exploring Education in a Diverse Society	3 credits
EDU 274	Introduction to Students with Mild/Moderate Educational Needs	3 credits
EDU 276	Behavior Management for Students with Educational Needs	3 credits
EDU 331	Literature in Early Childhood Education	2 credits
OR		
EDU 341	Adolescent/Young Adult Literature	2 credits
EDU 332	Literacy Instruction in Early Childhood Education	3 credits
EDU 333	Reading Instruction in Early Childhood Education	3 credits
EDU 334	Diagnostic & Remedial Reading Methods	3 credits
EDU 345	Social Studies Instruction in Middle Childhood Education	2 credits
EDU 346	Science/Health Instruction in Middle Childhood Education	2 credits
EDU 347	Mathematics Instruction in Middle Childhood Education	3 credits
EDU 348	Reading in the Content Area	3 credits
PSY 315	Child Development	4 credits
PSY 325	Adolescent Development	4 credits
EDU 377	Assessment for Students with Mild/Moderate Educational Needs	3 credits
EDU 394	Remediation Across the Curriculum	3 credits
EDU 475	Professional Collaboration and Transition Development	3 credits
EDU 484	Clinical Practice - Mild/Moderate Educational Needs	9 credits
EDU 492	Senior Capstone Seminar	3 credits

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. In addition, accreditation by the National Council for the Accreditation of Teacher Education may facilitate the securing of a license/certificate outside of Ohio.

Placement and Job Opportunities

Students are required to submit a completed portfolio by the end of the clinical practice experience. The portfolio contains reference letters, final evaluations and evidence of successful teacher preparation and student teaching and is a valuable tool in the interview process.

Information on teaching opportunities may be obtained in the Office of Career Services, not in the Division of Education. Students should study the Job Bulletins which are issued weekly by the Office of Career Services. Students are asked to note the on-campus interview schedules and other teaching opportunities posted on various bulletin boards on campus.

The Office of Career Services 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 required portfolios as freshmen or sophomores and pursue internships working with youth or educational organizations throughout college. Programs such as Survival Skills in Education and Career Roundtable Dinners allow students to network with educators from area schools. Career Services meets with students early and often during their college experience so they may realize their goal of employment upon graduation.

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

Field Experience

Many of the professional education courses have planned field experiences. Students are required to spend time in schools in a variety of settings including urban, suburban and rural locations.

In addition to the planned field experiences, candidates are encouraged to secure work experience with youth groups or assist with counseling, playground supervision, club sponsorship, etc. Such activity can provide valuable experience in the preparation of teachers.

Transportation to and from any field-based experience, including clinical practice, is the responsibility of the student. Although the Division of Education will assist with arrangements whenever possible, the student must assume the responsibility both for such transportation and for adequate insurance protection.

Teacher Education Handbook

Each fall the Division of Education prepares and posts to its webpage a handbook entitled "Policies and Procedures for Teacher Education." All students entering preparation for teaching should obtain this handbook from the Division of Education or from their advisors.

Admission and Continuation in the Teacher Education Program Leading to Licensure

Transition Points

Point One: Admission to Baldwin-Wallace College

Criteria:

- The criteria for admission are established by the college officers and published in the current college catalog.

Point Two: Formal admission to the Teacher Education Program (In order to advance to 200 level courses)

Criteria:

- Have overall GPA of 2.6 in all B-W course work with a grade of C or better in all EDU courses
- Have completed all prerequisite course work including required field experiences for 200 level courses
- Submit verification of "Good Moral Character" form
- Submit formal application. (Should be completed by each candidate while enrolled in EDU 101 or available in Division office)
- Obtain a "clear" Bureau of Criminal Identification and Investigation (BCII) report and a "clear" Federal Bureau of Investigation (FBI) report (valid for one year)
- Obtain a "negative" TB test (valid for one year)

Point Three: Acceptance to Professional Sequence (Methods Courses)

Criteria:

- Earn overall GPA of 2.6 in all B-W course work
- Have all prerequisite 200 level course work completed including required field experiences
- Earn a cumulative GPA in EDU courses of 2.8 with a grade of C or better in all EDU courses
- Meet all Teaching Field/Department GPA requirement(s).
- Obtain a "clear" Bureau of Criminal Identification and Investigation (BCII) report and a "clear" Federal Bureau of Investigation (FBI) report (valid for one year)
- Obtain a "negative" TB test (valid for one year)

Point Four: Acceptance to Clinical Practice

Criteria:

- Completion of all teaching field coursework
- Meet all teaching field and department GPA requirement(s)
- Register for the PRAXIS II (Principles of Learning and Teaching Tests and Subject Assessment/Specialty Area Tests as required by the Ohio Department of Education)
- Earn a cumulative GPA in EDU courses of 2.8 with a grade of C or better in all required method courses
- Earn overall GPA of 2.6 in all B-W course work
- Meet all Teaching Field/Department GPA requirement(s)
- Obtain a "clear" Bureau of Criminal Identification and Investigation (BCII) report and a "clear" Federal Bureau of Investigation (FBI) report (valid for one year)
- Obtain a "negative" TB test (valid for one year)

Point Five: Candidate's Application for 4 year Resident Educator License Signed by Division Chair

Criteria:

- Completion of all required course work and, if appropriate, all degree requirements
- Submit passing scores on PRAXIS II (Principles of Learning & Teaching Tests and Subject Assessment/Specialty Area Tests as required by the Ohio Department of Education)
- Satisfactory evaluation of Clinical Practice and the candidate's Professional Portfolio
- Obtain a "clear" criminal identification and investigation report
- Earn overall GPA of 2.6 in all B-W course work
- Cumulative GPA of 2.8 in EDU course work
- Meet Subject/Department area GPA requirement(s)

Point Six: Candidate Earns Professional Educator License

Criteria:

- Candidate successfully completes Ohio Resident Educator Program

Appeal Procedure

Any student has the right to request, in writing to the Division of Education Chairperson of the Teacher Education Committee a review of a decision made on the status of his/her candidacy.

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. In cases where continuation is in question, the advisor, current faculty members and the Chair may confer to determine a suggested course of action, including withdrawal from the program.

Transfer Courses Policy and Term Limits for Program Completion

The Division 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 Division Chairperson. 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 License

Course Requirements. Early Childhood Education majors must complete the courses as listed on the current "Model Program."

The student majoring in early childhood education must meet the College requirements for a baccalaureate degree and also must satisfy the state and College requirements for licensure as an early childhood education teacher. Early Childhood majors are exempt from the college requirement to complete a minor.

Licensure. A provisional teacher license, valid for two years, is available for early childhood education, grades prekindergarten through three. This license shall be required for entry into an Entry Year Program and may be used for substitute teaching.

Middle Childhood Education License

The Division of Education offers a licensure program for middle childhood education teachers (grades four through nine). Middle Childhood Education teaching fields consist of course work distributed over two of the following curriculum areas:

1. Reading/Language Arts (29 hrs.) (3.0 GPA required)
2. Mathematics (30-32 hrs.) (2.5 GPA required)
3. Science (21-23 hrs.) (2.6 GPA required)
4. Social Studies (27 hrs.) (2.6 GPA required)

Teaching fields qualify as minors for Middle Childhood students.

Middle Childhood Education Generalist Endorsement

The Division of Education offers a middle childhood generalist endorsement valid for teaching all core academic content areas in a self-contained four, five, or six grade classroom. The endorsement may be added to a middle childhood license upon evidence of completion of an additional six semester hours of study in prescribed content areas, plus successful completion of the required Praxis II examination. The student seeking this endorsement should consult with the Middle Childhood Education coordinator and refer to the current –Middle Childhood Endorsement Information Sheet.”

Adolescent Young Adult/Multi-age License

Students preparing for an Adolescent Young Adult (AYA) Education License (grades seven through twelve) or for a Multi-Age Education License (grades prekindergarten through twelve) must complete the courses as listed on the current "Model Program".

Selecting Teaching Fields. Selection of a teaching field is an extremely important task for each Adolescent Young Adult Education (grades seven through twelve) or Multi-Age Education (grades prekindergarten through twelve) student. A 2.6 grade point average is required for all teaching areas except English and Music Education, where a 3.0 grade point average is required. The Math area requires a 2.5 minimum grade point average. Teaching fields available at Baldwin-Wallace are:

Multi-Age Education (grades prekindergarten through twelve)

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

Adolescent Young Adult Education (grades seven through twelve)

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

Completing AYA or Multi-Age requirements constitutes a college minor.

Intervention Specialist License (Kindergarten through grade twelve)

Mild/Moderate Educational Needs

A license for Mild/Moderate Educational Needs is currently the only area of Intervention Specialist available at Baldwin-Wallace College.

A license to teach Mild/Moderate Educational Needs is a major within the Division of Education at Baldwin-Wallace College. The student seeking this major must complete the courses listed on the current Mild/Moderate Educational Needs "Model Program."

The student who qualifies for any license listed above in either Early Childhood Education, Adolescent Young Adult Education or Multi-Age Education also may complete a program in Mild/Moderate Educational Needs. The Middle Childhood, Adolescent Young Adult, and Multi-Age Education programs will require additional courses in order to add Mild/Moderate Educational Needs.

Each Intervention Specialist license candidate is required to complete a satisfactory student teaching experience.

Praxis II Test Results

According to information provided in May of 2008 by the Ohio Department of Education, Baldwin-Wallace College education students fared well on all aggregated areas of the 2006-2007 Praxis II tests and exceeded the state summary (overall) pass rate as indicated below.

Category	B-W Pass Rate	State Pass Rate
Professional Knowledge	98%	97%
Academic Content Areas (math, English, etc.)	96%	98%
Teaching Special Populations	95%	97%
Summary Pass Rates	93%	95%

A more detailed analysis of Praxis II performance by B-W students can be found on the Baldwin-Wallace College Web page at <http://www.bw.edu/academics/edu/programs/praxis/>.

State License Examination

The State Board of Education of Ohio requires the Praxis II Examinations for all candidates seeking licensure at any level - Early Childhood Education, Middle Childhood Education, Adolescent Young Adult Education, Multi-Age Education, and Mild/Moderate Educational Needs. The Praxis II examination consists of the Principles of Learning and Teaching Exam and the required Specialty Exam.

Candidates currently holding a license and seeking endorsement or validation will be tested only in the areas that they intend to add. Thus, candidates adding Reading or Mild/Moderate Educational Needs endorsement to their license must take the exam in that area. License+Master's candidates must take all the required exams for licensure and endorsements.

Candidates currently holding a license and seeking educational personnel license (e.g. administrator) will be tested in the specialty area.

A candidate for licensure may take any or all required exams as many times as needed, provided the candidate fulfills registration and fee requirements for each "retake."

Post-Baccalaureate Program (PB): Licensure Only

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. The Licensure Only program combines undergraduate education and content-area courses leading to an initial Ohio teaching license—but not a formal undergraduate or graduate education degree—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)

Admission criteria: Official transcripts from all institutions attended. Cumulative GPA of 2.75. Application and three letters of reference. Contact the Evening/Weekend Admission Office for materials and details.

License+Master's Program

The License+Master's program is an alternative licensure program for a student with a degree and seeking a license. To be admitted to the License+Master's program candidates must hold a cumulative grade point average of 2.75 in the final 60 hours of their undergraduate degree. Candidates who hold an overall grade point average of less than 2.75 but greater than 2.6 will be required to take the Miller's Analogies Test to supplement their application.

As a general rule the Bachelor's degree from an accredited four-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 some additional graduate courses which replace undergraduate professional education courses. All graduate courses in the MAEd program of study are required for licensure. License+Master's students who have not taken a psychology course will be required to take PSY 110. In addition, they will be required to take PSY 205.

Upon completion of all requirements the student earns a license in the specialty area, a Master's degree, and possible endorsement or licensure in the Master's specialization.

The following are the License+Master's programs available at Baldwin-Wallace College. Model Program Sheets delineating the requirements for each License+Master's program may be obtained in the Division of Education.

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.
Intervention Specialist License- Mild/Moderate Educational Needs License.

Each of these programs is designed for the college graduate who wishes to pursue a course of study leading to licensure/endorsement in each of the above areas. 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 above areas. The candidate 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.

Details concerning the License+Master's program may be obtained in the Division of Education Office.

Education

Course Descriptions

EDU 101 **INTRODUCTION TO EDUCATION AND TEACHING** **Two credit hours**

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; and issues and trends affecting education in a diversified, technological and global world.

EDU 102 **INTRODUCTORY FIELD EXPERIENCE** **Zero credit hours**

Prerequisite: EDU 101 may be taken concurrently.

This experience is an introduction to teaching in primary, middle, or secondary grade classrooms. Minimum time: 30 hours in an academic setting pre-approved by the Division of Education.

EDU 103D **EDUCATION OF CHILDREN WITH SPECIAL NEEDS** **Two credit hours**

Prerequisites: EDU 101 may be taken concurrently.

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 104 **TECHNOLOGIES FOR THE K-12 EDUCATOR** **Three credit hours**

This course will emphasize the use of technologies in the curriculum; including, but not limited to, technology assessment and purchase, software evaluation, mastery of teaching resources (word-processing, spreadsheet, presentation, CD-ROM) instructional strategies, Internet access, electronic classroom training, access and free speech issues, and grant writing.

EDU 201 **TEACHING STRATEGIES AND MANAGEMENT SKILLS** **Three credit hours**

Prerequisites: EDU 101, PSY 205. (PSY 205 may be taken concurrently)

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 **INTRODUCTION TO EARLY CHILDHOOD EDUCATION** **Three credit hours**

Prerequisites: EDU 101, PSY 205. (PSY 205 may be taken concurrently).

This course is designed to provide students with an overview of 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.

EDU 204 **THE TEACHING OF PHONICS** **Three credit hours**

This course focuses on understanding and applying phonics rules as well as the role of phonics in reading instruction. Students will learn strategies to incorporate phonics in the teaching of reading.

EDU 205 **INTRODUCTION TO MIDDLE CHILDHOOD EDUCATION** **Three credit hours**

Prerequisites: EDU 101, PSY 205. (PSY 205 may be taken concurrently.)

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 340 ASSESSMENT OF TEACHING AND LEARNING Two credit hours

Prerequisites: EDU 201, 205 or 206. Must be taken concurrently with EDU 348.

Students will study elements of measurement, evaluation, effective teaching, and student achievement in diverse settings. The course will emphasize: evaluation methods, grading systems, standardized and teacher-made tests and their interpretation, as well as formal and informal assessment methods. A field experience is required.

EDU 341 ADOLESCENT/YOUNG ADULT LITERATURE Two credit hours

Prerequisites: EDU 201, 205 or 206. May be taken concurrently with EDU 343.

This course is a survey of literature appropriate for use in the classroom for students ages 8-14. Included is the study of many genres of literature, as well as strategies for using literature across the curriculum. A field experience is required.

EDU 343 READING INSTRUCTION IN MIDDLE CHILDHOOD EDUCATION Three credit hours

Must be taken concurrently with EDU 341.

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 Two credit hours

Students will study materials and teaching strategies applied to the social studies curriculum for students ages 8-14. A field experience is required.

EDU 346 SCIENCE/HEALTH INSTRUCTION IN MIDDLE CHILDHOOD EDUCATION Two credit hours

Students will study the methods and materials used in the science/health curriculum for students ages 8-14. A field experience is required.

EDU 347 MATHEMATICS INSTRUCTION IN MIDDLE CHILDHOOD EDUCATION Three credit hours

Students will study the materials and teaching techniques applicable to teaching mathematics to students ages 8-14. A problem-solving approach will be emphasized. A field experience is required.

EDU 348 READING IN THE CONTENT AREA Three credit hours

Must be taken with EDU 340.

This course is a study of strategies for teaching reading in the content areas. It is required for students planning to teach at the secondary level. A field experience is required.

EDU 350-358 SPECIAL METHODS IN ADOLESCENT YOUNG ADULT/MULTI-AGE TEACHING FIELD Three/Four credit hours

Prerequisites: EDU 201, 206, 340, 348 other teaching field(s) prerequisites 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 377 ASSESSMENT FOR STUDENTS WITH MILD/MODERATE EDUCATIONAL NEEDS Three credit hours

Prerequisites: EDU-103D & 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.

EDU 394 REMEDIATION ACROSS THE CURRICULUM *Three credit hours*

Prerequisites: EDU-103D, 274 & 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.

EDU 415 CLINICAL PRACTICE IN MILD/MODERATE *Five credit hours*
EDUCATIONAL NEEDS

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 *Four credit hours*
EDUCATION

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 *Four credit hours*
EDUCATION

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 *Four credit hours*
ADULT EDUCATION

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 *Three credit hours*
TRANSITION DEVELOPMENT

Prerequisites: EDU-103D & 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 Four credit hours
EDUCATIONAL NEEDS

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson's approval.

Prerequisites: All Methods and Mild/Moderate Educational Needs Courses. Required of all License + Master's candidates.

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 Nine credit hours

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 Nine credit hours
EDUCATION

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 Nine credit hours
EDUCATIONAL NEEDS

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 Nine credit hours
ADULT

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 Nine credit hours

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 College. Placements are made by the Division of Education, not by the individual student.

EDU 491 CLINICAL PRACTICE IN MUSIC EDUCATION Nine credit hours

Must be taken concurrently with EDU 492. No additional coursework may be taken without the Chairperson'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 Three credit hours

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.

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.

English Major

Computer Code: ENGL

Minimum credits required (5 categories): 40-43 (plus prerequisites as indicated)

(* = Prerequisite Required) (+ = test placement or prerequisite)

I. Introductions to literary analysis and interpretation- Six credits (all of the following)

ENG 126F	Introduction to Fiction	2 credits
ENG 127F	Introduction to Poetry	2 credits
ENG 128F	Introduction to Drama	2 credits

II. Studies in the literary traditions- Eight credits (two of the following)

ENG 241IF	Survey of British Literature I	4 credits
ENG 242IF	Survey of British Literature II	4 credits
ENG 250FD	Survey of American Literature	4 credits
ENG 280IF	Survey of World Literature	4 credits

III. Language- Three credits

ENG 210	Introduction to the Study of Language	3 credits
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IV. Writing- Six credits

ENG 131	Workshop in Exposition and Argument	3 credits+
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Required of all majors except those who have been exempted from the core curriculum writing requirement. English majors who have been exempted from ENG 131 must take ENG 305 plus another writing class from those listed below to satisfy the writing course requirement for the major. Exemptions from ENG 131 are granted only by means of the English Dept. challenge exam, which as a rule is given only to incoming freshmen.

Choose one additional course from the following (3 credits)

ENG 232	Workshop in Journalism	3 credits*
ENG 233F	Workshop in Creative Writing	3 credits*
ENG 305^	Advanced Expository and Argumentative Writing	3 credits*
ENG 308^	Special Topics in Writing	3 credits*

Students planning graduate study are advised to take at least three hours in advanced writing.

V. Advanced studies in English- Seventeen-Twenty credits (five of the following)

ENG 305^	Advanced Expository and Argumentative Writing	3 credits*
ENG 307	Advanced Creative Writing	3 credits*
ENG 308^	Special Topics in Writing	3 credits*
ENG 316(I,D)	Studies in Literary History	4 credits*
ENG 328(I,D)	Studies in Major Authors	4 credits*
ENG 335I	Studies in World Literature	4 credits*
ENG 336(I,D)	Studies in Genres, Themes, or Modes	4 credits*
ENG 463(I,D)	Seminar	4 credits*

ENG 308, 316(I,D), 328(I,D), 335I, 336(I,D), and 463(I,D) are not individual courses; they are inclusive categories of courses. For example, there is no course called ENG 328 Major Authors. Rather, there is ENG 328I Chaucer, ENG 328I Shakespeare, etc.

Also, students are not required to take a course in each 300-level category. Any combination of courses with the numbers 305, 308, 316(I,D), 328(I,D), 335I, 336(I,D), 463(I,D) satisfies the "Advanced Studies" requirement.

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

Note: For the Interdisciplinary Major in Communications for Evening/Weekend students, see Communications.

**English Major with a Concentration
in Creative Writing**

Computer Code: ENGC

Minimum credits required (5 categories): 45 (plus prerequisites as indicated)

(* = Prerequisite Required) (+ = test placement or prerequisite)

I. Introductions to literary analysis and interpretation- Six credits (all of the following)

ENG 126F	Introduction to Fiction	2 credits
ENG 127F	Introduction to Poetry	2 credits
ENG 128F	Introduction to Drama	2 credits

II. Studies in the literary traditions- Eight credits (two of the following)

ENG 241IF	Survey of British Literature I	4 credits
ENG 242IF	Survey of British Literature II	4 credits
ENG 250FD	Survey of American Literature	4 credits
ENG 280IF	Survey of World Literature	4 credits

III. Language- Three credits

ENG 210	Introduction to the Study of Language	3 credits
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English Minor in Literature

The English minor in literature must take a minimum of 18 credits in English including:

Six credits (three of the following)

ENG	126F	Introduction to Fiction	2 credits
ENG	127F	Introduction to Poetry	2 credits
ENG	128F	Introduction to Drama	2 credits
ENG	129F(I)	Introduction to Literature: Open Topic	2 credits

Four credits (one of the following)

ENG	241IF	Survey of British Literature I	4 credits
ENG	242IF	Survey of British Literature II	4 credits
ENG	250FD	Survey of American Literature	4 credits
ENG	280IF	Survey of World Literature	4 credits

Eight credits (two of the following)

Two literature courses at the 300, 400 level*

English Minor in Creative Writing

A minimum of 17 credits are required for the English minor in creative writing.

ENG	126F	Introduction to Fiction	2 credits
ENG	127F	Introduction to Poetry	2 credits
ENG	233F	Workshop in Creative Writing: Fiction	3 credits*
ENG	233F	Workshop in Creative Writing: Poetry	3 credits*
ENG	307	Advanced Creative Writing	3 credits*
ENG	450	Seminar in Creative Writing	4 credits*

English Education

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

English Course Descriptions

Lower-level courses

ENG 050 INDEPENDENT STUDY

See [Independent Study Program, Section II.](#)

One to four credit hours

ENG 070 INTERNSHIP

See [Internship Program, Section II.](#)

Credit hours to be arranged

ENG 259,359,459 FACULTY-STUDENT COLLABORATION

See [FSC Program, Section II.](#)

Credit hours to be arranged

- ENG 111 COLLEGE COMPOSITION *Three 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 126F INTRODUCTION TO FICTION *Two credit hours***
 Readings in the short story and/or novel. The aim of the course is to provide an understanding and appreciation of significant works of fiction. The course will require discussion and writing about the works read. Usually the course will be taught in the 8-week minimester format.
- ENG 127F INTRODUCTION TO POETRY *Two credit hours***
 Readings in poetry. The aim of the course is to provide an understanding and appreciation of significant works of poetry. The course will require discussion and writing about the poems read. Usually the course will be taught in the 8-week minimester format.
- ENG 128F(I) INTRODUCTION TO DRAMA *Two credit hours***
 Readings of selected plays. The aim of the course is to provide an understanding and appreciation of significant works of drama. The course will require discussion and writing about the plays read. Usually the course will be taught in the 8-week minimester format.
- ENG 129F(I) INTRODUCTION TO LITERATURE: OPEN TOPIC *Two credit hours***
 This course can count toward the core fine arts requirement but may not substitute for the ENG 126F, 127F, 128F requirement for the English major.
- ENG 131 WORKSHOP IN EXPOSITION AND ARGUMENT *Three credit hours***
Prerequisite: 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 B-W, and should take ENG 131 no later than their third semester at B-W.
- ENG 210 INTRODUCTION TO THE STUDY OF LANGUAGE *Three 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 232 WORKSHOP IN JOURNALISM *Three credit hours***
 (formerly 132)
Prerequisite: Students must have completed the college writing requirement (ENG 131, or exemption) before enrolling in ENG 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.
- ENG 233F WORKSHOP IN CREATIVE WRITING *Three credit hours***
 (formerly 133F)
Prerequisite: Students must have completed the college writing requirement (ENG 131, or exemption) plus ENG 126F for ENG 233F- Fiction or ENG 127F for ENG 233F- Poetry, or permission of the instructor.
 Assignments in writing poetry or fiction. Students who have taken ENG 233F- Fiction may also take ENG 233F- Poetry for credit and vice versa.
- ENG 241IF SURVEY OF BRITISH LITERATURE I *Four credit hours***
 A study of selected major British works from the Anglo-Saxon times to 1798, read in their historical contexts.
- ENG 242IF SURVEY OF BRITISH LITERATURE II *Four credit hours***
 A study of selected major British works from 1798 to the twentieth century, read in their historical contexts.
- ENG 250FD SURVEY OF AMERICAN LITERATURE *Four credit hours***
 A study of selected works that represent American literature from colonial times through the mid-twentieth century, read in their historical contexts.

EDU 351 **SPECIAL METHODS FOR INTEGRATED
LANGUAGE ARTS, ADOLESCENT/ MULTI-AGE
TEACHERS** *Four credit hours*

The Division of Education offers a special section of EDU 351 through the English Department for students seeking licensure in English. Students enrolled in this section are required to enroll simultaneously in ENG 351, Research Methods for Teaching Integrated Language Arts, Adolescent and Young Adult (two credit hours) offered by the English Department. (See English Department website at [http://www.bw.edu/academics/eng/.](http://www.bw.edu/academics/eng/))

ENG 351 **RESEARCH METHODS FOR TEACHING
INTEGRATED LANGUAGE ARTS, ADOLESCENT
AND YOUNG ADULT** *Two credit hours*

Provides methodologies for researching literary texts, that is, how to identify and find criticism of those considered expert on a text, author, or period. Practice includes a research project, incorporation of research into the unit for methods, and incorporation of research into the methods field experience lesson plans. Must be taken concurrently with EDU 351, Special Methods for Integrated Language Arts, Adolescent/Multi-Age Teachers.

ENG 450 **SEMINAR IN CREATIVE WRITING** *Four credit hours*

Prerequisite: ENG 307

A "Special Topics," capstone seminar and workshop, primarily for students minoring and concentrating in Creative Writing.

ENG 463(I,D) **SEMINAR** *Four credit hours*

Prerequisite: Written consent of the instructor.

Varied topics. May be counted toward "Advanced Studies in English" requirement.

ENG 491,492 **DEPARTMENTAL THESIS/PROJECT** *Credit hours to be
(I,D) arranged*

See [Departmental Thesis/Project, Section II](#)

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 exchange students as well as other B-W students. The two courses listed below, ESL 101 and ESL 102, are available for credit to help students improve English speaking and writing skills. Each course can be taken for up to 3 credits. Students with a TOEFL score of 523 or below are required to take ESL 101 and 102. Students with a TOEFL score above 523 can take ESL 101 and 102 to improve their skill in English. After taking the course for credit, students may continue to receive ESL services in subsequent semesters. Due to potential unique circumstances, ESL students may be allowed to add the course(s) after the first week of the semester. Please contact the ESL office for specific consideration and guidance.

In addition to these courses, ESL instructors are available for individual instruction, informal conversation groups, assistance with written assignments, cultural understanding through discussion and field trips, and TOEFL study groups. ESL instruction and support are part of B-W's Learning Center, located on the top floor of Ritter Library. ESL assistance and other services to support student success, such as tutoring and study skills are available to all B-W students free of charge.

ESL 101 SPEAKING/ LISTENING FOR ACADEMIC PURPOSES *One to three credits*
Permission of Instructor

This course will help the Non-Native English Speaking (NNES) students improve overall academic speaking and listening skills by increasing retention of oral and written material and developing communication and presentation skills in an academic setting.

ESL 102 ADVANCED GRAMMAR *One to three credits*
Permission of Instructor

This course will help the Non-Native English Speaking (NNES) students improve overall academic writing skills by enhancing students' ability to manipulate grammar for style and use academic vocabulary to communicate effectively even under time pressure.

FOREIGN LANGUAGES AND LITERATURES

Why take a foreign language at college?

Language classes are an excellent opportunity to enhance your studies at college. Many people have found the developing those skills which you began in high school can help smooth the transition to college. 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 college 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 B-W 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 College 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.

French Major

Computer Code: FRNH

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 Division 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 (* = Prerequisite Required)

FRN	201	Intermediate French I	4 credits*
FRN	202	Intermediate French II	4 credits*
FRN	2211	French Conversation	3 credits*
FRN	275IF	Introduction to French Literature	4 credits*
FRN	310I	French Civilization I	3 credits*
FRN	311I	French Civilization II	3 credits*
FRN	335I	Advanced Grammar and Composition	4 credits*
HUM	285I	Intercultural Communication	3 credits*

At least 6 hours from the following literature courses must be successfully completed:

FRN	263	Seminar (When the topic is literature.)	3 credits*
FRN	375IF	Survey of French Literature I	3 credits*
FRN	376IF	Survey of French Literature II	3 credits*
FRN	463	Special Topics Seminar	3 credits*

The seminars 263 and 463 can be substituted for required classes according to the topic. Substitutions require departmental approval.

French Minor

Students wishing to minor in French must complete a minimum of 18 credits beyond the 100-level courses, including FRN 201 and 202 (or Advanced Placement), FRN 221I, FRN 275IF and at least one course at the 300 level.

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.

German Major

Computer Code: GERM

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 Division 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 (* = Prerequisite Required)

GER	201	Intermediate German I	4 credits*
GER	202	Intermediate German II	4 credits*
GER	221I	German Conversation	2 credits*
GER	275IF	Introduction to German Literature	4 credits*
GER	310I	German Civilization	3 credits*
GER	335	Advanced Composition and Conversation	4 credits*
HUM	285I	Intercultural Communications	3 credits*

At least 6 hours from the following literature courses must be successfully completed:

GER	263	Seminar (When the topic is literature.)	3 credits*
GER	375IF	Survey of German Literature I	3 credits*
GER	376IF	Survey of German Literature II	3 credits*
GER	463	Special Topics Seminar	3 credits*

The remaining credits may be completed with any German courses above the 100 level. The seminars 263 and 463 can be substituted for required classes according to the topic. Substitutions require departmental approval.

German Minor

Students wishing to minor in German need 17 credits of German beyond the 100 level which must include GER 201 and 202 (or Advanced Placement), GER 275IF and at least one of the following: GER 263, 310I, 335, 375IF, 376I or 463. Any additional courses above 202 may be used to satisfy the remainder of the required credit hours.

Spanish Major

Computer Code: SPNH

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 Division 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 (* = Prerequisite Required)

SPN	201	Intermediate Spanish I	4 credits*
SPN	202	Intermediate Spanish II	4 credits*
SPN	221I	Spanish Conversation	2 credits*
SPN	275IF	Introduction to Hispanic Literature	4 credits*
SPN	310I	Spanish Civilization	3 credits*
SPN	311I	Spanish-American Civilization	3 credits*
SPN	335	Advanced Composition and Conversation	4 credits*
HUM	285I	Intercultural Communications	3 credits*

At least 6 hours from the following literature courses must be successfully completed:

SPN	263	Seminar (When the topic is literature.)	3 credits*
SPN	375IF	Survey of Spanish Literature I	3 credits*
SPN	376IF	Survey of Spanish-American Literature II	3 credits*
SPN	463	Special Topics Seminar	3 credits*

The seminars 263 and 463 can be substituted for required classes according to the topic. Substitutions require departmental approval.

Spanish Minor

Students wishing to minor in Spanish must complete a minimum of 17 semester hours beyond the 100-level courses, including SPN 201 and 202 (or Advanced Placement), SPN 275IF and one 300-level course.

Foreign Languages and Literatures

Course Descriptions

Arabic

ARA 101 ELEMENTARY ARABIC I *Four 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 *Four credit hours*

Prerequisite: 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.

Chinese

CHI 101 ELEMENTARY CHINESE I *Four 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 *Four credit hours*

Prerequisite: 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 *Four credit hours*

Prerequisite: 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 *Four credit hours*

Prerequisite: 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.

French

FRN 050I INDEPENDENT STUDY

One to four credit hours

See [Independent Study Program, Section II.](#)

FRN 101 ELEMENTARY FRENCH I

Four credit hours

Prerequisite: 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, French 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

Four credit hours

Prerequisite: FRN 101 or equivalent

French 102 is a continuation of the first-year experience in the language. French 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

Four credit hours

Prerequisite: FRN 102 or equivalent. FRN 201 is an appropriate entry point for most students with more than two years of solid high school French. Required of all French majors

French 201 is foremost a review of some of the basic grammar items covered in a first-year French college 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 college. 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

Four credit hours

Prerequisite: FRN 201 or equivalent. Required of all French majors

French 202 is a continuation of the second-year experience in the language. French 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** *Three credit hours*
Prerequisite: FRN 202 or equivalent. Required of all French majors
 Intensive practice in the spoken idiom, phonetics, developing fluency of expression and establishing basic conversational vocabulary.
- FRN 240I CONTEMPORARY FRANCE** *Three credit hours*
Prerequisite: 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** *Three credit hours*
Prerequisite: 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** *Three credit hours*
Prerequisite: FRN 202 or equivalent
 An introduction to the French commercial enterprise, with particular emphasis on technical and commercial terminology. Practice in business correspondence.
- FRN 263 SEMINAR** *One to four credit hours*
Prerequisite: 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 275IF INTRODUCTION TO LITERATURE** *Four credit hours*
Prerequisite: 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** *Three credit hours*
Prerequisite: FRN 202. Required of all French majors
 A study of French culture, society, history and arts, from the origins of France Through the Third Republic.
- FRN 311I CIVILIZATION II** *Three credit hours*
Prerequisite: FRN 202. Required of all French majors
 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** *Four credit hours*
Prerequisite: FRN 202. Required of all French majors
 Advanced work in grammar with an emphasis on French composition and stylistics.
- FRN 350 SPECIAL METHODS LANGUAGE TEACHING** *Three-four credit hours*
 Required of all students seeking a license to teach. See EDU 350.
- FRN 375IF SURVEY OF FRENCH LITERATURE I** *Three credit hours*
Prerequisite: FRN 275IF. Required of all French majors
 A study of French literature from the Middle Ages through the 18th Century.
- FRN 376IF SURVEY OF FRENCH LITERATURE II** *Three credit hours*
Prerequisite: FRN 275IF. Required of all French majors
 A study of French literature of the 19th and 20th Centuries.

FRN 463 SEMINAR**One to four credit hours**

Prerequisite: 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.

German**GER 050I INDEPENDENT STUDY****One to four credit hours**

See [Independent Study Program, Section II.](#)

GER 101 ELEMENTARY GERMAN I**Four credit hours**

Prerequisite: 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**Four credit hours**

Prerequisite: 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**Four credit hours**

Prerequisite: 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.

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. Real life situations such as dialogues in restaurants and at the train station are imitated in classroom pair work. 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 Four credit hours

Prerequisite: GER 201 or equivalent. Required of all German majors.

German 202 is a continuation of the intermediate level and builds upon the skills practiced in 201 including further work on passive voice, subjunctive and relative pronouns. GER 202 is the prerequisite for advanced level German language classes. Classroom discussions and written assignments center on authentic short literary and cultural texts and one novella of moderate length. The course is taught in German. Class work provides listening and speaking practice while homework affords the chance to sharpen writing skills.

GER 221 GERMAN CONVERSATION Two credit hours

Prerequisite: GER 202 or consent of the instructor. Required of all German majors.

Intensive practice in speaking and vocabulary building. May be repeated for credit. Offered alternate years.

GER 240I CONTEMPORARY GERMANY Three credit hours

Prerequisite: 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!", Spring 2005.

GER 250I TECHNIQUES OF GERMAN TRANSLATION Three credit hours

Prerequisite: 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. Offered in alternate years.

GER 260I COMMERCIAL GERMAN Three credit hours

Prerequisite: 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. Offered in alternate years.

GER 263I SEMINAR Three credit hours

Prerequisite: GER 202.

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.

GER 275IF INTRODUCTION TO GERMAN LITERATURE Four credit hours

Prerequisite: GER 202 or equivalent. Required of all German majors.

This course is a thematic survey of literature from several of the major literary movements. Students will read a variety of genres and authors from works of various periods which share at least one common theme. Serves as a prerequisite for GER 375IF and 376IF.

GER 310I GERMAN CIVILIZATION Three credit hours

Prerequisite: GER 202. Required of all German majors.

A study of the historical and culture development of the German-speaking peoples from the Germanic tribes to the formation of the Federal Republic of Germany. Required of all German majors.

GER 335 ADVANCED COMPOSITION AND CONVERSATION Four credit hours

Prerequisite: GER 202. Required of all German majors.

This course seeks to fine tune the student's command of German by discussing difficult vocabulary usage and reviewing the most difficult grammar. Numerous written assignments and daily oral exercises in class.

GER 350 SPECIAL METHODS LANGUAGE TEACHING Three-four credit hours

Required of all students seeking a license to teach German.

See EDU 350. Not offered every year.

GER 375IF SURVEY OF GERMAN LITERATURE I Three credit hours

Prerequisite: At least one of GER 263(I), 275IF or 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 376IF and 375IF may be taken in any order.

GER 376IF SURVEY OF GERMAN LITERATURE II Three credit hours

Prerequisite: At least one of GER 263(I), 275IF or 310I or permission of instructor.

A survey of German literature from Romanticism to the 20th century. GER 376IF and 375IF may be taken in any order.

GER 463 SPECIAL TOPICS SEMINAR Three credit hours

Prerequisite: Advanced standing and permission of instructor.

GER 463 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.

Italian

ITL 101 ELEMENTARY ITALIAN I Four credit hours

Prerequisite: 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 Four credit hours

Prerequisite: 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.

Spanish

SPN 050 INDEPENDENT STUDY One to four credit hours

See [Independent Study Program, Section II.](#)

SPN 101 ELEMENTARY SPANISH I Four credit hours

Prerequisite: 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 Four credit hours

Prerequisite: 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, tele-based program Destinos, and videos on Spain and Spanish-America.

- SPN 201 INTERMEDIATE SPANISH I** **Four credit hours**
Prerequisite: SPN 102 or equivalent. SPN 201 is an appropriate entry point for most students with more than two years of high school Spanish. Required of all Spanish majors.
 One purpose of this class is to review what the student already learned and to expand on her/his first year of Spanish at B-W. 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** **Four credit hours**
Prerequisite: SPN 201 or equivalent. Required of all Spanish majors.
 An expansion of Spanish language skills developed with exercises in conversation, oral comprehension, composition based on cultural and literary readings.
- SPN 221I SPANISH CONVERSATION I** **Two credit hours**
Prerequisite: SPN 202 or consent of the instructor. Required of all Spanish majors.
 This course focuses on the development of oral fluency and vocabulary.
- SPN 240I CONTEMPORARY SPAIN AND LATIN AMERICA** **Three credit hours**
Prerequisite: 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** **Three credit hours**
Prerequisite: SPN 202 and 221I or equivalent.
 A brief introduction to theories of translation followed by practical experience translating various texts.
- SPN 260I COMMERCIAL SPANISH** **Three credit hours**
Prerequisite: SPN 202 or equivalent.
 An introduction to commercial and technical terms in Spanish with practice in business correspondence.
- SPN 263 SEMINAR** **Three credit hours**
Prerequisite: 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 275IF INTRODUCTION TO HISPANIC LITERATURE** **Four credit hours**
Prerequisite: SPN 202 or special permission of instructor. Required of all Spanish majors.
 An introduction to literary study, treating major authors and literary genres from various periods and countries.
- SPN 310I SPANISH CIVILIZATION** **Three credit hours**
Prerequisite: SPN 202 or equivalent.
 A study of the historical and social development of Spanish culture and civilization.
- SPN 311I SPANISH-AMERICAN CIVILIZATION** **Three credit hours**
Prerequisite: SPN 202 or equivalent.
 A study of the historical, political, economic and cultural development of Latin America.

SPN 335I ADVANCED COMPOSITION AND CONVERSATION Four credit hours

Prerequisite: SPN 202 or equivalent. Required of all Spanish majors.

Students receive directed composition practice on various current and personal themes. Group and individual work on practical improvement of pronunciation and the study of troublesome aspects of grammar and syntax are also involved.

SPN 350 SPECIAL METHODS LANGUAGE TEACHING Three- four credit hours

Required of all students seeking a license to teach.

See EDU 350.

SPN 375IF SURVEY OF SPANISH LITERATURE Three credit hours

Prerequisite: SPN 275IF 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 376IF SURVEY OF SPANISH-AMERICAN LITERATURE Three credit hours

Prerequisite: SPN 275IF or equivalent.

A study and interpretation of a select number of major literary works from Latin America.

SPN 463 SEMINAR Three credit hours

Prerequisite: 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.

Seminar in Ecuador

The following courses are offered only for the students who are participating in the Seminar in Ecuador. See description in this catalog under [Explorations/Study Abroad program, Section II.](#)

SPN 110 ELEMENTARY SPANISH IN ECUADOR Seven credit hours

Prerequisite: 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 College. 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.

SPN 210 INTERMEDIATE/ADVANCED SPANISH IN ECUADOR Seven credit hours

Prerequisite: 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 102/201, 201/202, 202/2211, or two of the following courses: 240I, 275IF, and/or 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.

Humanities

HUM 285I INTERCULTURAL COMMUNICATION

Three credit hours

Prerequisite: LAS 200

This course, taught in English by faculty of the Department of Foreign Languages and Literatures, will complement the basic familiarity with intercultural communication as provided in LAS 200. 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 SEMINAR IN EUROPE I: ON-CAMPUS PROGRAM

Two credit hours

See [Seminar in Europe, Section II.](#)

HUM 288IE SEMINAR IN EUROPE II: THE EUROPEAN EXPERIENCE

Six credit hours

See [Seminar in Europe, Section II.](#)

GENDER STUDIES MINOR

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.

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. Amy Story, Director of the Gender Studies minor, in the Department of Philosophy.

Gender Studies

Computer Code: GNST

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.

CAS	328	Gender Communications	3 credits*
ENG	335I	Studies in World Literature	4 credits*
ENG	336I	Gender and Travel in the 18 th Century	4 credits*
ENG	336	Early American Women's Narratives	4 credits*
HIS	170D	Diversity in America	3 credits
HIS	235I	Women in Western Civilization	3 credits*
HIS	236I	Women in Asian Civilizations	3 credits*
HIS	260(I,D)	Topics in History	3-4 credits*
HIS	360(I)	An In-depth Study of Topics in History	3-4 credits*
HPE	263	The History of Women in Sport	3 credits
HPE	263	Gender, Health, and Equity	3 credits
MUS	363D	Gender and Sexuality in Music Scholarship	2 credits
PHL	270D	Feminist Philosophy	4 credits
PHL	271D	Philosophy of Sexuality	3-4 credits
POL	208	Sex and the Law	1-3 credits
PSY	215D	Psychology of Women	4 credits*
REL	216I	Women and Religion	3 credits
REL	293D	Race, Religion & Gender in Movies	3 credits
REL	393	Religion, the Body, and Gender	4 credits
SOC	290D	Gender Roles	3 credits

HEALTH AND PHYSICAL EDUCATION

The Division of Health and Physical Education offers courses that satisfy core curriculum requirements, HPE Division major and minor programs of study, requirements for other College majors, and general electives.

HPE Core Curriculum Requirements

To satisfy the health and physical education core requirement of the College, all students must complete a one-half credit computer course, HPE 110W, Personal Wellness, and complete an additional minimum of one and one-half credits from a menu of sports, fitness, recreational activity courses and/or dance technique courses from HPE 131W, 132W, 133W, 141W and/or from a menu of classroom course offerings in health and wellness as designated applicable to the HPE Core. 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 HPE faculty to discuss selection of appropriate courses.

Note that the HPE Core requirement as outlined begins for students who enter B-W in the 2004-2005 academic year.

Among objectives for the required HPE Core courses are the following:

- The development of essential knowledge in health and wellness issues especially as it may relate to leadership and advocacy for healthy lifestyles for individuals, families, and communities now and in the future.
- The development of knowledge, skills, attitudes, and values related to achieving and maintaining optimal levels of physical fitness and personal wellness.
- The development of motor abilities that contribute to skill, proficiency, ease, and grace in the control of one's body.
- The development of worthy leisure-time recreational habits, skills, and attitudes.
- The development of an appreciation of the art and science of human movement both as a participant and as a spectator.

Diversity requirement of the Core Curriculum

HPE 423D may be applied to the core diversity requirement.

Divisional Majors and Minors

For students planning to major in any one of the majors offered by the HPE Division, the Division recognizes the preceding objectives, explores the body of knowledge, and provides a foundation for students preparing to teach, coach, manage and/or pursue graduate study in areas related to the major. Majors are offered in physical education, sport management, athletic training, pre-physical therapy, exercise science, health promotion and education. Academic minors are designed to supplement any academic major. Minors are offered in health promotion and education, child and family, athletic coaching, recreation, and personal wellness. Additional study is recommended beyond the minimum credits and required courses for each major and minor including HPE 050, 070, special topic seminars, and honors courses.

Physical Education Major

Computer Code: HPET

This major is designed to focus on theoretical and practical knowledge and skills related to the planning, implementation, and evaluation of physical education programs for learners ages three through twenty-one and prekindergarten through grade twelve. Multi-age license to teach physical education is possible for students who successfully complete this major as well as applicable requirements for licensure as outlined by the Division of Education. Students are encouraged to supplement physical education licensure with a secondary teaching area such as health promotion and education. Students who desire to coach are encouraged to complete the athletic coaching minor. Students who complete this major are expected to be competent in a number of sport and fitness skills.

Minimum credits required: 47.5 (* plus prerequisites as indicated)

Required courses

BIO	203L	Human Anatomy and Physiology I	4 credits
BIO	204L	Human Anatomy and Physiology II	3 credits*
HPE	110W	Personal Wellness	.5 credits
HPE	150W	Lifetime Leisure Activities	2 credits
HPE	151W	Team Games	2 credits
HPE	152W	Fitness and Physical Activity	2 credits
HPE	201	Orientation to HPE	1 credits
HPE	204	Applied Teaching in Physical Education	3 credits*
HPE	205	First Aid	2 credits
HPE	209	Research Design & Statistics	3 credits
HPE	230	Physical Education Methods for Early Childhood	3 credits*
HPE	232	Physical Education Methods for Middle School	3 credits*
HPE	302	Physiology of Exercise	3 credits*
HPE	311	Physical Education Methods for High School	3 credits*
HPE	321	Adapted Physical Education	2 credits
HPE	347	Historical, Philosophical, and Curricular Foundations of Physical Education	3 credits*
HPE	352	Motor Learning	3 credits*
HPE	404	Principles of Sport & Physical Education	2 credits*
HPE	451	Kinesiology/Biomechanics	3 credits*
HPE	070	Internship: Professional Conference	0 credit

Sport Management Major

Computer Code: HPEM

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 must also complete a second major or minor in public relations or a second major or minor offered by the Division of Business Administration.

Minimum credits required: 46-52 (* plus prerequisites as indicated)

Required courses

HPE 201	Orientation to HPE	1 credits
HPE 223	History of Sport	2 credits
HPE 233	Sport in Society	3 credits
HPE 243	Introduction to Sport Management	3 credits
HPE 250	Sport Management Explorations	1 credit
HPE 340	Program Organization & Administration	3 credits*
HPE 343	Legal Issues in Sport Management	3 credits*
HPE 344	Sport Management & Media Relations	3 credits*
HPE 346	Sport Marketing	3 credits*
HPE 348	Ethics in Sport Management	3 credits*
HPE 349	The Industry of Sport	3 credits*
HPE 450	Facility/Event Management	3 credits*
HPE 452	Sport Management Capstone	3 credits*
HPE 070	Sport Management Internship	6-12 credits*

At least six credits from the following:

HPE 227	Principles of Coaching	2 credits
HPE 323	Outdoor Recreation & Education	2 credits
HPE 324	Community Recreation	2 credits
HPE 350	Professional Sport Industry	2 credits*
HPE 351	Collegiate Athletics	2 credits*
HPE 353	Sales and Sponsorship	2 credits*
HPE 406	Psychology of Coaching	2 credits*

Athletic Training Major

Computer Code: HPEA

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, clinical and internship 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 Education Program Director as well as accessible on the Baldwin-Wallace College Athletic Training Education Program website.

<http://www.bw.edu/academics/hpe/programs/at/>

Minimum credits required: 62 (* plus prerequisites as indicated)

Required courses:

HPE	201	Orientation to HPE	1 credits
HPE	202	Athletic Training I	3 credits
HPE	205	First Aid	2 credits
HPE	206	Medical Terminology	2 credits
HPE	208	Emergency Care Techniques	1 credit*
HPE	209	Research Design and Statistics	3 credits
HPE	211W	Nutrition for the Athlete	3 credits
HPE	281	Practicum in Athletic Training I	1 credit
HPE	282	Practicum in Athletic Training II	1 credit
HPE	302	Physiology of Exercise	3 credits*
HPE	303	Health & Physical Fitness Assessment	2 credits*
HPE	305	Lower Extremity Evaluation	3 credits*
HPE	306	Therapeutic Modalities	3 credits*
HPE	306L	Therapeutic Modalities Lab	1 credit*
HPE	307	Upper Extremity Evaluation	3 credits*
HPE	308	Athletic Training Administration	3 credits*
HPE	309	Therapeutic Exercise	3 credits*
HPE	381	Practicum in Athletic Training III	1 credit
HPE	382	Practicum in Athletic Training IV	1 credit
HPE	423D	Exercise Prescription for Special Populations	3 credits
HPE	445	Theory and Practice of Strength and Conditioning	3 credits
HPE	451	Kinesiology/Biomechanics	3 credits*
HPE	481	Practicum in Athletic Training V	1 credit
HPE	482	Practicum in Athletic Training VI	1 credit
BIO	203L	Human Anatomy & Physiology I	4 credits

BIO	204L	Human Anatomy & Physiology II	3 credits*
PSY	110	Applications of Psychology	4 credits

Athletic Training Education coursework that have accompanying psychomotor competencies **must be completed at B-W** unless otherwise determined by the Program Director: HPE 201, 202, 208, 305, 306, 307, 308, 309, 281, 282, 381, 382, 481, and 482. Transfer students should expect to be actively enrolled in B-W's Athletic Training Education Program for a minimum of three years.

Recommended: CSC 121 or computer competency, CHM 111, 111L, PSY 205, HPE 221W, HPE 225, HPE 312W, HPE 321, and HPE 424.

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites. For prerequisite details, see Course Descriptions.

Pre-Physical Therapy Major

Computer Code: HPEP

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 (* plus prerequisites as indicated)

Required courses

HPE	201	Orientation to HPE	1 credits
HPE	203	Essentials of Athletic Training	2 credits
HPE	205	First Aid	2 credits
HPE	206	Medical Terminology	2 credits
HPE	209	Research Design & Statistics	3 credits
HPE	302	Physiology of Exercise	3 credits*
HPE	303	Health/Physical Fitness Assessment	2 credits*
HPE	306	Therapeutic Modalities	3 credits*
HPE	306L	Therapeutic Modalities Lab	1 credit*
HPE	321	Adapted Physical Education	2 credits
HPE	451	Kinesiology/Biomechanics	3 credits*
BIO	121L	Principles of Biology I	4 credits
BIO	122L	Principles of Biology II	4 credits
BIO	203L	Human Anatomy & Physiology I	4 credits
BIO	204L	Human Anatomy & Physiology II	3 credits*
CHM	111	General Chemistry I	4 credits
CHM	111L	General Chemistry I Lab	.5 credits
CHM	112	General Chemistry II	4 credits*
CHM	112L	General Chemistry II Lab	.5 credits
PHY	131&151L	General Physics I with Lab OR	5 credits
PHY	145L	Applied College Physics I	5 credits
PHY	132&152L	General Physics II with Lab OR	5 credits*
PHY	146L	Applied College Physics II	5 credits

At least two additional courses or appropriate seminars in Biology at the 200 level or above (4 credit minimum)

Students should select the additional BIO courses based on graduate school prerequisite requirements. Although the additional two courses in upper level BIO are elective, the following are suggested for consideration:

BIO	211	Genetics	4 credits
BIO	212	Microbiology	4 credits
BIO	221	Zoology	4 credits
BIO	330	Gross Anatomy	4 credits
BIO	331	Developmental Biology	4 credits
BIO	332	Histology	3 credits
BIO	333	Human Physiology	4 credits
BIO/PSY	250	Neuroscience	3 credits

Students planning to pursue a graduate degree in physical therapy should also take PSY 110, PSY 205, SOC 100D, MTH 141. All pre-physical therapy students should also complete internship(s) in a variety of physical therapy settings (HPE 070, 2-4 credits).

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites. For prerequisite details, see Course Descriptions.

Exercise Science Major

Computer Code: HPES

This American College of Sports Medicine Endorsed major is designed to focus on content areas of exercise science and fitness management as related to management and organization of corporate, community, or commercial fitness programs. Students successfully completing this major will be able 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. For students wishing to pursue graduate level study in exercise physiology or related area, a minor in Chemistry is highly recommended. For students wishing to pursue a focus in fitness management, a minor in Business Management and Organization and/or Health Promotion and Education is highly recommended.

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

Required courses:

HPE	201	Orientation to HPE	1 credits
HPE	203	Essentials of Athletic Training	2 credits
HPE	205	First Aid	2 credits
HPE	207W	Nutrition for Daily Living OR	3 credits
HPE	211W	Nutrition for the Athlete	
HPE	209	Research Design & Statistics	3 credits
HPE	245	Health Behavior Management	2 credits
HPE	302	Physiology of Exercise	3 credits*
HPE	303	Health/Physical Fitness Assessment	2 credits*
HPE	345	Fitness & Health Promotion Program Management	3 credits*
HPE	352	Motor Learning	3 credits

HPE	423D	Exercise Prescription for Special Populations	3 credits*
HPE	445	Theory & Practice of Strength & Conditioning	3 credits*
HPE	451	Kinesiology/Biomechanics	3 credits*
BIO	203L	Human Anatomy & Physiology I	4 credits
BIO	204L	Human Anatomy & Physiology II	3 credits*

The following Exercise Science coursework **must be completed at B-W** unless otherwise approved by the Academic Coordinator: HPE 201, 209, 245, 302, 303, 423D, 445

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites. For prerequisite details, see Course Descriptions.

Health Promotion and Education Major

Computer Code: HPEH

This major is designed to prepare the undergraduate student for competency in health promotion and disease prevention as these programs may be implemented in schools or in public and private agencies, at the worksite, or in specialized and clinical settings. This major leads to teaching certification if requirements of the Division of Education are also completed.

Minimum credits required: 47 (* plus prerequisites as indicated)

Required courses:

HPE	201	Orientation to HPE	1 credit
HPE	205	First Aid	2 credits
HPE	207W	Nutrition in Daily Living	3 credits
HPE	218W	Consumer Issues	2 credits
HPE	221W	Personal Health	4 credits
HPE	222W	Community Health	3 credits
HPE	312W	Substance Abuse/Chemical Dependency	2 credits
HPE	315	Principles of Health Education	2 credits
HPE	316	Health Services	2 credits
HPE	318	Teaching Health Education	3 credits
HPE	345	Fitness & Health Promotion Program Management	3 credits*
HPE	424	Human Sexuality Education	3 credits*
BIO	203L	Human Anatomy & Physiology I	4 credits
BIO	204L	Human Anatomy & Physiology II	3 credits*

For the interdisciplinary content requirement, one of the following courses:

PSY	302	Abnormal Psychology	4 credits*
PSY	304	Personality Psychology	4 credits*
SOC	201D	Social Problems	4 credits

Electives to fulfill required credits for the completion of major from the following: (Six credits)

HPE	216W	Family Relations	3 credits
HPE	245	Health Behavior Management	2 credits
HPE	263	Special Topic Seminar approved for Health Promotion/Education	
HPE	463	Advanced Special Topic Seminar approved for Health	

		Promotion/Education	
HPE	302	Physiology of Exercise	3 credits*
HPE	303	Health & Physical Fitness Assessment	2 credits*
HPE	320W	Parenting	3 credits*
SOC	344	Aging OR	3 credits*
SOC	345	Medical Sociology	3 credits*
PSY	315	Child Development OR	4 credits*
PSY	325	Adolescent Psychology	4 credits*
BIO	212	Microbiology	4 credits*
		PSY 302, PSY 304, SOC 201D	4 credits

(Course applicable as an elective if not already selected to fulfill the Interdisciplinary Content requirement above.)

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by prerequisites. For prerequisite details, see Course Descriptions.

HPE Minors

The Division offers the following academic minors:

(*) denotes prerequisite

Athletic Coaching Minor (21 credit hours)

Required courses:

HPE	203	Essentials of Athletic Training	2 credits
HPE	205	First Aid and Safety Education	2 credits
HPE	207W	Nutrition for Daily Living	3 credits
		OR	
HPE	211W	Nutrition for Athlete	3 credits
HPE	227	Principles of Coaching	2 credits
HPE	340	Program Organization and Administration	3 credits*
HPE	406	Psychology of Coaching	2 credits*
HPE	301W	Sport Exercise Conditioning/Program Design	3 credits
		OR	
HPE	445	Theory and Practice of Strength & Conditioning	3 credits*
HPE	070	Internship	0 credits

Two courses (4 credits) required from:

HPE	327	Coaching	2 credits
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Child in the Family Minor (17 credit hours)

Required courses:

HPE	216W	Family Relations	3 credits
HPE	319W	Child in the Family	3 credits
HPE	320W	Parenting	3 credits*
PSY	205	Developmental Psychology	3 credits*
PSY	315	Child Development	4 credits*
HPE	070	Internship	1 credits*

Health Promotion and Education Minor (24 credit hours)

Required courses:

HPE	205	First Aid and Safety Education	2 credits
HPE	221W	Personal Health	4 credits
HPE	222W	Community Health	2 credits
HPE	312	Substance Abuse/Chemical Dependency	2 credits
HPE	315	Principles of Health Education	2 credits
HPE	424	Human Sexuality Education	3 credits*

Minimum of 9 credit hours must be selected from:

HPE	207W	Nutrition for Daily Living	3 credits
HPE	216W	Family Relations	3 credits
HPE	218W	Consumer Issues	2 credits
HPE	245	Health Behavior Management	2 credits
HPE	302	Physiology of Exercise	3 credits*
HPE	303	Health & Physical Fitness Assessment	2 credits*
HPE	316	Health Services	2 credits
HPE	318	Teaching of Health Education	3 credits
HPE	320W	Parenting	2 credits*
HPE	345	Fitness & Health Promotion Programming	3 credits

The health promotion and education minor does not lead to teacher licensure; only the major leads to teacher licensure.

Orthopedic Assessment and Treatment Minor (17-19 credit hours)

This minor is open to all non-Athletic Training majors.

Required courses:

HPE	202	Athletic Training I	3 credits
	OR		
HPE	203	Essentials of Athletic Training	2 credits
HPE	206	Medical Terminology	2 credits
HPE	208	Emergency Techniques in Athletic Training	1 credits
HPE	305	Lower Extremity Evaluation	3 credits*
HPE	307	Upper Extremity Evaluation	3 credits*
HPE	306 & 306L	Therapeutic Modalities (3 cr) & Lab (1 cr)	4 credits*
	OR		
HPE	309	Therapeutic Exercise	3 credits*
HPE	451	Kinesiology/Biomechanics	3 credits*

Personal Wellness Minor (18 credit hours)

Required courses:

HPE	110W	Personal Wellness	.5 credit
HPE	205	First Aid and Safety Education	2 credits
HPE	207W	Nutrition for Daily Living	3 credits
HPE	218W	Consumer Issues	2 credits
HPE	221W	Personal Health	4 credits

Minimum of 3.5 credits must be selected from:

HPE 131W, 132W, 133W which must include at least one course from yoga, Pilates, techniques of relaxation; at least two courses from weight training, water aerobics, swim conditioning, aerobics, fitness, spinning; at least two courses from golf, tennis, canoeing, camping, basic swimming, fly fishing, ice skating, cycling, racquetball. No more than a total of 5 credits toward the minimum of 18 credits may come from HPE 131W, 132W, 133W, 141W (activity/technique courses).

Minimum of 3 additional credits must be selected from:

Additional courses and/or seminars designated as applicable to the HPE Core.

Recreation Minor (18 credit hours)

Required courses:

HPE	205	First Aid and Safety Education	2 credits
HPE	323	Outdoor Recreation & Education	2 credits
HPE	324	Community Recreation	2 credits
HPE	340	Program Organization and Administration	3 credits*
HPE	450	Facility/ Event Management	3 credits*

Minimum of 6 credit hours must be selected from:

HPE	215	Dance Forms	2 credits
HPE	230	Physical Education & Rhythmics for Children	3 credits*
OR			
HPE	232	Physical Education for Middle Grades	2 credits*
HPE	250	Sport Management Explorations	1 credit
HPE	263W	Sustainable Living in N.E. Ohio	2 credits
HPE	321	Adapted Physical Education	2 credits
HPE	345	Fitness & Health Promotion Programming	3 credits*
HPE	423D	Exercise Prescription for Special Populations	3 credits*
BUS	305	Introduction to Management	3 credits*
SOC	303I	Urban Community Life	4 credits*
BIO	111L	Field Biology	4 credits
CAS	207	Group Communication & Leadership	3 credits*

Up to but no more than three credits in HPE 070, approved internship in recreation, may be applied to the minimum credits required for the minor.

Health and Physical Education

Course Descriptions

HPE 050 INDEPENDENT STUDY *Credit hours to be arranged*

See [Independent Study Program, Section II.](#)

HPE 070 INTERNSHIP *Credit hours to be arranged*

See [Internship Program, Section II.](#)

HPE 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*

See [FSC Program, Section II.](#)

HPE 110W PERSONAL WELLNESS *One-half credit hour*

Course designed as a computer course that includes a comprehensive health risk assessment, nutrition, dietary assessment and other aspects of personal wellness as developed especially for the course. Required of all students for completion of HPE core. Graded S-U.

HPE 131W, 132W, 133W, 141W PHYSICAL ACTIVITIES/DANCE TECHNIQUE *One-half to one 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. All courses are open to both men and women. Specific courses are listed in the course schedule for each term.

HPE 150W LIFETIME LEISURE ACTIVITIES *Two credit hours*

This course provides practice and methods for participating in lifetime leisure activities. 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 *Two credit hours*

This course provides practice and methods for participating in, officiating, and observing various team games. Students will be exposed to the skills, tactics, officiating procedures, and overall participation requirements for various team games. Includes games/sports such as volleyball, basketball, team handball, flag football, soccer, ultimate, and softball.

HPE 152W FITNESS AND PHYSICAL ACTIVITY *Two credit hours*

This course provides practice and methods for participating in physical activity and fitness activities. 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 use of technology.

HPE 170 INTRODUCTION TO PUBLIC HEALTH *Three 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.

HPE 173 GLOBAL HEALTH *Three 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.

HPE 175 EPIDEMIOLOGY: MEASURING HEALTH AND DISEASE *Three credit hours*
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.

HPE 201 ORIENTATION TO HPE *One credit hour*
Note: Designed for students majoring in HPE
A survey course designed to introduce the nature of study, interrelationships, and career options related to academic disciplines and programs associated with physical education, health education, sport management, dance, and the areas of study included in sports medicine and exercise science. Recommended to be taken in the freshman or sophomore year.

HPE 202 ATHLETIC TRAINING I *Three credit hours*
Note: Course is open to majors in athletic training or with prior consent of Athletic Training Education Program Director. Non-athletic training majors, refer to HPE 203
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 preventative taping, injury assessment and treatment. Students are also introduced to the administrative requirements for a successful athletic training program. This course will also include practical evaluation of required competencies and proficiencies in the field of athletic training.

HPE 203 ESSENTIALS OF ATHLETIC TRAINING *Two credit hours*
Note: Course is not applicable to the major requirements in athletic training.
This course is designed as an overview of principles and practices in athletic training as they relate to coaching, teaching, and other areas related to knowledge and skills in exercise science.

HPE 204 APPLIED TEACHING IN PHYSICAL EDUCATION *Three credit hours*
Prerequisite: EDU 201
This course is a prerequisite course for the majority of courses offered in the Physical Education Major. Our intention is that students will take this course spring semester of their sophomore year. This new course was proposed to aid in the development of specific physical education teaching skills prior to entering methodology courses. The current curriculum does not have this structure. The skills applied and learned in this course will be applied throughout the students' program. The focus of this course will expand on students' knowledge in writing objectives, designing lesson and unit plans previously learned in EDU 201 and apply this knowledge specifically to teaching physical education. Students will be exposed to content specific teaching styles and class management strategies relating to P-12 physical education prior to moving into HPE 230, 232, and 311 methodology courses.

HPE 205 FIRST AID & SAFETY EDUCATION Two credit hours

Note: Additional administrative/certification fee required.

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 Two 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 Three 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 One credit hour**

Prerequisite: HPE 205 or concurrent enrollment in HPE 205 with consent of instructor. Course is open only to majors in athletic training, minors in orthopedic assessment and treatment or prior consent of the Athletic Training Education 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. Course will be offered in alternate years.

**HPE 209 RESEARCH DESIGN & STATISTICS IN
PHYSICAL EDUCATION & EXERCISE
SCIENCE Three credit hours**

Prerequisite: MTH 136 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 and the understanding of proper research design especially as it might relate to individual and program assessment.

**HPE 210W SUSTAINABLE FOOD & NUTRITION
CHOICES Two 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 Three 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 Three 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**Two 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**Four 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**Three 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**Two 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 225 CPR/ FIRST AID/ AED INSTRUCTOR TRAINING**Two credit hours**

Prerequisite: Current ARC Certification in CPR, First Aid, AED or consent of instructor

Course will focus on the development of the knowledge, skills, and attitudes necessary to become a successful American Red Cross Instructor in CPR, First Aid, and AED. Course provides the opportunity to become a certified ARC Instructor. Course is not offered on a regular basis.

HPE 227 PRINCIPLES OF COACHING**Two 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, particularly as related to enrollment in HPE 070, internship in coaching.

HPE 230 PHYSICAL EDUCATION METHODS FOR EARLY CHILDHOOD AND ELEMENTARY SCHOOL**Three credit hours**

Prerequisite: Teacher Education Major (HPE or EDU) or consent of instructor

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 basic 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.

HPE 232 PHYSICAL EDUCATION METHODS FOR MIDDLE SCHOOL**Three credit hours**

Prerequisite: Teacher Education Major (HPE or EDU) or consent of instructor

A course designed to give the student experience in the theory and practice of lead-up games to selected team sports, dual sports, gymnastics, and fitness activities as appropriate for learners ages eight through fourteen and attending grades four through nine in a physical education program.

HPE 233 SPORT IN SOCIETY**Three credit hours***Cross-listed with SOC 250*

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 Three credit hours*Prerequisite: HPE 201 or concurrent enrollment in HPE 201 or consent of instructor*

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 Two credit hours

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.

HPE 250 SPORT MANAGEMENT EXPLORATIONS One credit hour*Prerequisite: HPE 243, Sport Management Majors only.*

This course is designed to give the sport management major student an opportunity to observe, experience and procure information in a sport working environment early in the students program of study.

HPE 263 SPECIAL TOPIC SEMINAR Credits to be arranged**HPE 270 PRINCIPLES OF HEALTH PROMOTION Three credit hours***Prerequisite: HPE 170, HPE 173, HPE 175 or permission of instructor*

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 271 PUBLIC HEALTH COLLOQUIUM I One credit hour*Prerequisite: 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.

HPE 274 ENVIRONMENTAL HEALTH Three credit hours*Prerequisite: HPE 170, HPE 173, HPE 175*

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.

HPE 275 INFECTIOUS DISEASE & EPIDEMICS Three credit hours*Prerequisite: HPE 170, HPE 173, HPE 175*

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.

HPE 281 PRACTICUM IN ATHLETIC TRAINING I One credit hour

Prerequisite: Acceptance into the ATEP

This course is designed to assist the second year Athletic Training Education major in understanding the connection between their classroom instruction and their clinical education. Specific focus will be on the introductory psychomotor proficiencies from the Athletic Training Educational Competencies as well as documentation and athletic training standard operation procedures. The course will provide guided reflection and assessment of the student's ability to apply knowledge in the clinical setting. 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 One credit hour

Prerequisite: Acceptance into the ATEP

This course is designed to further enhance the second year athletic training education student's ability to connect their classroom instruction with their clinical experience. Specific focus will be on the introductory psychomotor proficiencies from the Athletic Training Education Competencies as well as attitudes and values associated with affective attributes and cultural diversity. The course will provide guided reflection and assessment of the student's ability to apply knowledge in the clinical setting. 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 Three 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 Three credit hours

Prerequisite: BIO 203L and BIO 204L

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 Two credit hours

Prerequisite: BIO 203L and BIO 204L

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, ECG interpretation, PWC tests and graded exercise testing.

HPE 305 LOWER EXTREMITY EVALUATION Three credit hours

Prerequisite: HPE 202 or 203 and BIO 203L

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. Laboratory experience is designed to demonstrate the application of various evaluation techniques utilized in diagnosing lower extremity dysfunction. This course will also include practical evaluation of required competencies and proficiencies in the field of athletic training. This course will be offered in alternate years.

HPE 306 THERAPEUTIC MODALITIES Three credit hours

Prerequisite: BIO 203L, HPE 202 or 203, and concurrent enrollment in HPE 306L

This course is a study of the various therapeutic modalities used in the care and treatment of athletic injuries. The mechanical and physiological effects of these modalities will be studied along with laboratory practice and use of the actual devices.

HPE 306L THERAPEUTIC MODALITIES LAB One credit hour

Prerequisite: BIO 203L, HPE 202 or 203, and concurrent enrollment in HPE 306

A laboratory allowing for structured laboratory activities covering therapeutic modalities used in the care and treatment of the physically active, which is beyond mere setup and application of the equipment. Exposure to the mechanical and physiological effects of these modalities will reinforce the didactic segment of the HPE 306 course which prepares students to become clinicians rather than technicians.

HPE 307 UPPER EXTREMITY EVALUATION Three credit hours

Prerequisite: HPE 202 or 203 and BIO 203L

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. Laboratory experience is designed to demonstrate the application of various evaluation techniques utilized in diagnosing lower extremity dysfunction. This course will also include oral practical evaluation of required competencies and proficiencies in the field of athletic training. This course will be offered in alternate years.

HPE 308 ATHLETIC TRAINING ADMINISTRATION Three credit hours

Prerequisite: HPE 202

A course designed to study the management and administration of athletic training programs in clinical, high school, college, 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. This course will be offered in alternate years.

HPE 309 THERAPEUTIC EXERCISE Three credit hours

Prerequisite: HPE 202 or 203 and BIO 203L

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. This course will also include practical evaluation of required competencies and proficiencies in the field of athletic training. This course will be offered in alternate years.

HPE 311 PHYSICAL EDUCATION METHODS FOR HIGH SCHOOL Three credit hours

Prerequisite: HPE 230, HPE 232, experience in a variety of activity areas, and junior or senior standing.

A study of the principles and practices of successful teaching techniques as they apply to physical education programs designed especially for adolescent to young adult learners and in grades seven through twelve.

HPE 312W SUBSTANCE ABUSE/CHEMICAL DEPENDENCY Two 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 PRINCIPLES OF HEALTH EDUCATION Two credit hours

A study of the purpose, scope and nature of health education through consideration of the behavioral and philosophical 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.

- HPE 316 HEALTH SERVICES Two credit hours**
 School health services and healthful school environments are studied as components of the total school health program. Public health services are considered in relation to the goals of health promotion and disease prevention.
- HPE 318 TEACHING OF HEALTH EDUCATION Three 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. In addition to implementing teaching strategies, students will practice curriculum design and evaluation.
- HPE 319W CHILD IN THE FAMILY Three credit hours**
Prerequisite: HPE 216W or junior/senior standing
 A study of the factors involved in the physical, cognitive, social, emotional, and language development of children through age six. The home environment and other factors (e.g. childcare centers, family day care, and community support) important to the total development of children are emphasized. Practical applications to solve problems or to deal with day-to-day issues facing families with young children are explored. This course will be offered in alternate years.
- HPE 320W PARENTING Three credit hours**
Prerequisite: 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. This course will be offered in alternate years.
- HPE 321 ADAPTED PHYSICAL EDUCATION Two credit hours**
 A study of special programming for individuals with perceptual-cognitive-motor problems. Consideration is given to awareness, diagnosis and adaptations in methodology for those people who are physically challenged or have special needs.
- HPE 323 OUTDOOR RECREATION & EDUCATION Two 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 Two 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 327 COACHING Two credit hours**
 Strategy, techniques and coaching methods in competitive baseball, basketball, football, track and field, and volleyball are studied. Separate course are offered in the various sports; some coaching courses may be offered less frequently than once a year.
- HPE 340 PROGRAM ORGANIZATION & ADMINISTRATION Three credit hours**
Prerequisite: 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 Three credit hours**
Prerequisite: HPE 201, HPE 243 and HPE 250 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 351 COLLEGIATE ATHLETICS Two credit hours

Prerequisite: HPE 201 and 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 Three credit hours

Prerequisite: 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 Two credit hours

Prerequisite: HPE 201 and HPE 243

This course is designed to examine issues related to ticket sales and sponsorship sales as it relates to the sport industry. Primary areas of study include the structure of sales departments, the sales process, and the importance of customer service and retention. The course presents products and sales strategies that are unique to the sport industry. The course will benefit students who are pursuing a career in sales or would like to work for a team, where the primary source of revenue is ticket sales and sponsorships.

HPE 370 HEALTH POLICY & PUBLIC HEALTH Three credit hours

Prerequisite: HPE 170, 173, 175, 270, 274 and MTH 138 or permission of instructor

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.

HPE 371 PUBLIC HEALTH COLLOQUIUM II One credit hour

Prerequisite: Public Health major or minor and junior 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.

HPE 373 SPECIAL TOPICS IN PUBLIC HEALTH Two to four credit hours

Prerequisite: Public Health major or permission of instructor

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.

HPE 375 HEALTH AND SOCIAL JUSTICE Three credit hours

Prerequisite: HPE 170,173,175,270,274,275,370,MTH 138 or permission of instructor

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.

HPE 381 PRACTICUM IN ATHLETIC TRAINING III One credit hour

Prerequisite: Acceptance into the ATEP

This course is designed to assist the third year athletic training education student's ability to connect their classroom instruction with their clinical education. Specific focus will be on the intermediate psychomotor competencies from the Athletic Training Educational Competencies as well as general medical conditions. The course will provide additional focus on the current conditions encountered within the student's clinical rotation, as well as provide for reflection, assessment, and feedback of the student's clinical rotational experience. 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 One credit hour

Prerequisite: Acceptance into the ATEP

This course is designed to further enhance the third year athletic training education student's ability to connect their classroom instruction with their clinical education. Specific focus will be on the intermediate psychomotor proficiencies from the Athletic Training Educational Competencies and clinical pathology. The course will provide additional focus on the current conditions encountered within the student's clinical rotation, as well as provide for reflection, assessment and feedback of the student's competencies as mandated by the program's accreditation are required components to the course.

HPE 404 PRINCIPLES OF SPORT AND PHYSICAL EDUCATION Two credit hours

Prerequisite: HPE 201 and junior/senior standing or consent of instructor

The focus of this course is an exploration of principles, issues, and ethical considerations that are significant in the formulation of policies and development of procedures for programs of sport and physical education.

HPE 406 PSYCHOLOGY OF COACHING Two credit hours

Prerequisite: 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 Three credit hours

Prerequisite: 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 osteoporosis, cardiovascular disease, diabetes, pregnancy, and hypertension. The student will demonstrate competence and skills necessary to deliver safe and valid exercise prescriptions.

HPE 424 HUMAN SEXUALITY EDUCATION Three credit hours

Prerequisite: Junior/senior 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 445** **THEORY AND PRACTICE OF STRENGTH AND CONDITIONING** **Three credit hours**
Prerequisite: BIO 203L, BIO 204L, HPE 302, 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** **Three credit hours**
Prerequisites: HPE 201, HPE 243, HPE 250 and junior/senior standing
 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** **Three credit hours**
Prerequisite: BIO 203L
 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** **Three credit hours**
Prerequisite: 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 463** **ADVANCED SPECIAL TOPIC SEMINAR** **Credit hours to be arranged**
- HPE 470** **SENIOR FIELD EXPERIENCE IN PUBLIC HEALTH** **Six credit hours**
Prerequisite: HPE 170,173,175,270,271,274,275,370,371,471 or permission of instructor
 This integrative course is designed to be the final or among the final courses taken in the required public health curriculum. The focus is on the synthesis and integration of the knowledge and skills accumulated throughout the program. It provides public health majors with a culminating experience to their overall studies in public health. Students will develop a public health intervention incorporating various domains of public health. Students will work with public health professionals in various agencies on a specific project to be approved by the course instructor and the Public Health Program Director.
- HPE 471** **PUBLIC HEALTH COLLOQUIUM III** **One credit hour**
Prerequisite: 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.
- HPE 475** **PROFESSIONAL SEMINAR** **Three credit hours**
Prerequisite: HPE 170,173,175,270,271,274,275,370,371,375,471,MTH 138 or permission of instructor
 To be taken concurrently with HPE 470. 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.

HPE 481 PRACTICUM IN ATHLETIC TRAINING V One credit hour

Prerequisite: Acceptance into the ATEP

This course is designed to assist the fourth year athletic training education student to connect their classroom instruction and clinical knowledge with their clinical experience. Specific focus will be on the advanced psychomotor competencies from the Athletic Training Education Domains and the process required in applying for the BOC examination. The course will also focus on the current conditions encountered within the student's clinical rotation and promote improved critical thinking skills. The course will provide additional focus on the current conditions encountered within the student's clinical rotation, as well as provide for reflection, assessment, and feedback of the student's clinical rotation experience. Clinical hours, evaluations, and completion of specific competencies a mandated by the program's accreditation are required components to the course.

HPE 482 PRACTICUM IN ATHLETIC TRAINING VI One credit hour

Prerequisite: Acceptance into the ATEP

This course is designed to further enhance the fourth year athletic training education student's ability to connect their classroom instruction with their clinical education. Specific focus will be on the advanced psychomotor competencies from the Athletic Training Education Domains and test taking strategies in preparation for the BOC examination. The course will provide additional focus on the current conditions encountered within the student's clinical rotation, as well as provide for reflection, assessment, and feedback of the student's clinical rotation experience. Clinical hours, evaluations, and completion of specific competencies a mandated by the program's accreditation are required components to the course.

HPE 491,492 DEPARTMENTAL THESIS/PROJECT Credit hours to be arranged

See [Departmental Thesis/Project, Section II.](#)

HISTORY

The History Department serves the Baldwin-Wallace College 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 of History views the purposes of teaching history to be: (1) to supply the student with an understanding of the past upon which the structure of contemporary society is built; (2) to provide students with a sound foundation in history in order to teach; (3) to prepare students for graduate school, government service or professional school; (4) to assist students in developing skills in critical thinking and writing; and (5) to present a historical background for the arts, music, literature, religion, philosophy, the sciences, social sciences and business of the present.

The Department maintains a commitment to highest academic standards and 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 include essay-type examinations and/or term papers, book reviews, or other written, graded assignments. 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.

Program notes: A general prerequisite for all 200, 300, and 400-level courses is the successful completion of a 100-level history course.

The only other prerequisites are for HIS 461 and HIS 491/492. A minimum of 19 credit hours in history courses is required before enrollment in HIS 461, and HIS 491/492 requires the permission of the instructor. History courses at the 100 and 200 level are survey courses and may be approached chronologically or topically, as the interests of the professor and the students warrant. The 300-level courses are in-depth studies of particular topics or periods and are typically offered every other year. HIS 260 and HIS 360 may be taken more than once, provided the topic has been changed.

A transfer student is required to take at least 19 history credits at B-W to graduate with a history major.

History Major

Computer Code: HIST

Minimum credits required: 37

Required Courses (* = Prerequisite Required)

HIS	101I&102I	World Civilizations I & II	OR	3 credits each
HIS	121I&122I	History of Europe I & II	AND	3 credits each
HIS	151&152	History of the U.S. I & II		3 credits each
HIS	461	Historiography		3 credits*

One 200 or 300 level course in each of the following fields: non-Western history, i.e. History 227I, 236I, 260I (where relevant), 267I, 288I, 291I, 360I (where relevant), 381I, 389I, 391I; European history, i.e., HIS 211I, 235I, 239I, 245I, 260I (where relevant), 313I, 323I, 345I, 346I, 347I, 348I, 349I, 360I (where relevant); United States history, i.e., HIS 260 (where relevant), 350, 351, 352, 353, 354, 355, 356, 360 (where relevant), 363I.

No more than 12 credits of 100-level history courses can count toward the major.

In addition, a history major must successfully pass the Department of History Comprehensive Examination and complete a Senior Learning Statement. It is recommended that a student achieve a balance among European, American, and non-Western courses. It is also 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 college major, such as business-history, art-history, sociology-history, political science-history, psychology-history, etc.

History Major for Adult & Continuing Education Students

Computer Code: HISL

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.

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 Division of Education. See Division of Education program.

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.

History

Course Descriptions

HIS 050(I)	INDEPENDENT STUDY	<i>One to four credit hours</i>
See Independent Study Program, Section II.		
HIS 070	INTERNSHIP	<i>Credit hours to be arranged</i>
See Internship Program, Section II.		
HIS 259,359,459	FACULTY-STUDENT COLLABORATION	<i>Credit hours to be arranged</i>
See FSC Program, Section II.		
HIS 101I,102I	WORLD CIVILIZATIONS I,II	<i>Three credit hours each</i>
HIS 101I explores the origins, developments, and interactions of the world's peoples, cultures, and states from prehistory to 1500. HIS 102I explores the development and interaction of the world's peoples, cultures, and states from 1500 to the present.		
HIS 121I,122I	HISTORY OF EUROPE I,II	<i>Three credit hours each</i>
The purpose of these courses is to give students a good foundation in the events of the past in order to help them achieve historical understanding of the present. HIS 121I emphasizes the periods of the Renaissance, the Reformation, Absolutism, the Enlightenment, the French Revolution, Napoleon and the development of the national state. HIS 122I begins with the Napoleonic era and includes the age of reaction, the industrial revolution, the rise of liberalism and socialism, the cultural developments of the modern period, the causes and results of the world wars, and postwar developments to the present.		
HIS 151,152	HISTORY OF THE UNITED STATES I,II	<i>Three credit hours each</i>
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	<i>Three credit hours</i>
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 211I	ANCIENT AND MEDIEVAL HISTORY	<i>Three credit hours</i>
<i>Prerequisite: One 100-level history course</i>		
A survey of the life, ideas, and institutions of Greek Civilization, the Roman Empire, and the Middle Ages. Emphasis will be placed on the evolution of governmental systems, social and economic phenomena, and cultural developments.		
HIS 227I	HISTORY OF AFRICA	<i>Three credit hours</i>
<i>Prerequisite: One 100-level history course</i>		
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	<i>Three credit hours</i>
<i>Prerequisite: One 100-level history course</i>		
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** *Three credit hours*
Prerequisite: One 100-level history course
 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 239I HISTORY OF WAR** *Three credit hours*
Prerequisite: One 100-level history course
 A survey of Western warfare from antiquity to the present.
- HIS 242 WORLD WAR I** *Three credit hours*
Prerequisite: 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 245I HISTORY OF RUSSIA** *Three credit hours*
Prerequisite: 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 260(I,D) TOPICS IN HISTORY** *Three to four credit hours*
Prerequisite: One 100-level history course
 A basic introduction to specific areas or fields of history.
- HIS 267I VIETNAM: CAUSES AND CONSEQUENCES** *Three credit hours*
Prerequisite: 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 271I BRITISH HISTORY** *Three credit hours*
Prerequisite: One 100-level history course
 HIS 271I is a broad survey of Celtic/English/British history from earliest times to the present. It establishes the antecedents of the kingdom of Britain, and emphasizes the independent histories of the Celtic Isles of Ireland, Scotland and Wales. The course follows the evolution of Britain from a monarchical state to a constitutional state, and traces the rise of Parliament and the creation of the Anglican church. It concludes by placing Britain within its European Union context.
- HIS 288I ISLAMIC HISTORY 600-1800** *Three credit hours*
Prerequisite: One 100-level history course
 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 291I EAST ASIA** *Three credit hours*
Prerequisite: One 100-level history course
 A one-semester survey of the history of East Asia, particularly China and Japan, from ancient times to the present, 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 313I RENAISSANCE & REFORMATION *Four credit hours***
Prerequisite: One 100-level history course
 This course offers studies in the civilization of Europe from the 14th through the 16th centuries. Emphasis is placed on the cultural, religious, political, social and economic aspects of the period.
- HIS 323I ENLIGHTENMENT, FRENCH REVOLUTION, AND *Four credit hours***
NAPOLEON
Prerequisite: One 100-level history course
 HIS 323I 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, which, in many ways, was an early attempt to create an “United States of Europe” and fostered the rise of nationalism.
- HIS 340I THE CELTIC ISLES: IRELAND, SCOTLAND AND *Four credit hours***
WALES
Prerequisite: One 100-level history course
 This course is an exploration of the particular histories of the —British” Isles: Ireland, Scotland and Wales, both independent of and intertwined with the history of England through its development. Starting with their ancient Celtic foundations, the course will examine the political, social, economic and cultural institutions of these countries up to the present day.
- HIS 345I TRADITIONAL RUSSIA *Four credit hours***
Prerequisite: One 100-level history course
 An in-depth study of the history of Russia from the pre-Slavic past to the nineteenth century, stressing the emergence of Russia’s political, economic, social, and cultural institutions, and the roots of modern Russia.
- HIS 346I MODERN RUSSIA *Four credit hours***
Prerequisite: One 100-level history course
 An in-depth study of the history of Russia from the nineteenth century to the collapse of Communism and beyond, with an emphasis upon attempts to reform Russia’s political and social system, the Russian revolutionary tradition, the rise and fall of Communism, and the multiethnic dimension of modern Russian history.
- HIS 347I CELTIC AND MEDIEVAL BRITAIN *Four credit hours***
Prerequisite: One 100-level history course
 HIS 347I is an advanced study of the Celtic and Medieval periods of English/British history, proceeding from the broad foundations of HIS 271I. It covers the beginnings of England and the Celtic Isles, the unification of Britain, the Norman Conquest, and the rise of the nation-state. Also included is the early evolution of Parliament and the development of the system of common law, and conflicts such as the Hundred Years’ War.
- HIS 348I TUDOR STUART ENGLAND *Four credit hours***
Prerequisite: One 100-level history course
 An in-depth examination of English/British history between 1485 and 1714, providing a more advanced and specialized study of topics introduced in HIS 271I, British History. Topics covered include the English Reformation, the Elizabethan Renaissance, the English Civil War, the Restoration, and the Glorious Revolution.
- HIS 349I VICTORIAN AND MODERN BRITAIN *Four credit hours***
Prerequisite: One 100-level history course
 An in-depth examination of British history since 1714, providing a more advanced and specialized study of topics introduced in HIS 271I, British History. Topics covered include the Hanoverian Century, the rise of constitutionalism and the emergence of Parliament as the dominant partner in the political sphere, the British empire, the Victorian consciousness, the rise of Labour, the Irish question, the experience of total war, the construction of the welfare state, imperial decline, Thatcherism, New Labour and the impact of the European union.

- HIS 350 COLONIAL AMERICA** *Four credit hours*
Prerequisite: 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** *Four credit hours*
Prerequisite: 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** *Four credit hours*
Prerequisite: 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** *Four credit hours*
Prerequisite: One 100-level history course
 Studies of selected problems related to the forces in the United States that resulted in the Civil War, the war itself and the problems of the Reconstruction.
- HIS 354 U.S. REFORM AND WAR, 1876-1920** *Four credit hours*
Prerequisite: 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** *Four credit hours*
Prerequisite: 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** *Four credit hours*
Prerequisite: 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 360(I) AN IN-DEPTH STUDY OF TOPICS IN HISTORY** *Three to four credit hours*
Prerequisite: 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 363I GLOBAL AMERICA** *Four credit hours*
Prerequisite: One 100-level history course
 An in-depth survey of United States foreign relations with special emphasis on its characteristics, development and effectiveness within a given historical period. Topics include all of America's wars from the Revolution to World War II, expansion, imperialism, isolationism, the impact of world-power status and the continuing problems of foreign policy in a democracy.

- HIS 3811 THE ARAB-ISRAELI CONFLICTS** **Four credit hours**
Prerequisite: One 100-level history course
 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** **Four credit hours**
Prerequisite: One 100-level history course
 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 391I HISTORY OF CHINA** **Four credit hours**
Prerequisite: One 100-level history course
 The history of China from deepest antiquity through the present, emphasizing changes in political, social, cultural, and intellectual life and relations between China and the outside world.
- HIS 461 HISTORIOGRAPHY** **Three credit hours**
Prerequisite: 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** **Two to four credit hours**
 Must have consent of the instructor.
- HIS 491,492 DEPARTMENTAL THESIS/PROJECT** **Credit hours to be arranged**
Prerequisite: Consent of Department. Interested students should contact Department Chairperson.
 For further details see [Departmental Thesis/Project, Section II.](#)

THE HONORS PROGRAM

The Baldwin-Wallace College Honors Program exists to assist students of outstanding promise who hope to make meaningful contributions to society through professional careers and public service. The Honors Program promotes academic excellence, engages students in the development of ethical global perspectives, promotes civic involvement and encourages leadership development. Eligible incoming students are invited to apply for admission to the Honors Program. Current students may apply for consideration as rising sophomores.

The Honors Program

Computer Code: HON

Minimum credit required: 24 (plus prerequisites as indicated)

Required Courses

HON 150	Introduction to Honors Study	2 credits
ENG 131H	Honors Workshop in Exposition and Argument	3 credits
LAS 200H	Enduring Questions in an Intercultural World	3 credits
MTH 140	Precalculus Mathematics	4 credits ¹
FRN 202, GER 202, SPN 202, CHI 202 or ARA (299B)	Intermediate French, German, Spanish, Chinese or Arabic	4 credits ¹
HON 491 <u>or</u> Thesis in major or minor (Honors Thesis)		3 - 4 credits ²

Elective Courses (total of at least 13 credits)

Students may take any of the following:

All courses with an HON prefix (topic may not be repeated, but course number may).³

Any college core course with an "H" after the course number (*examples:* ECN 101H, GEO 111LH, PHL 205IH, REL 293H)³

Honors Option ⁴	3 - 4 credits
400 Level Courses ⁵ (taken in the first 4 semesters of residence)	3 - 4 credits
Faculty Student Collaboration (FSC) ⁶	3 credits
Internship that fosters civic engagement ⁷	1 - 3 credits

Total Honors Program 24 - 27 credits

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.

⁵ 300 level courses may be considered if approved by the faculty advisor, department or division chair, and the Honors Program Director.

⁶ 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. See [FSC Program, Section II](#).

⁷ With the permission of the Honors Program Director, Honors students can apply internship credit in any field towards the Honors Program if the internship meets at least two of the Honors Program goals, one of which has to be “to foster civic involvement.”

Honors Program Courses (Open to invited first year students only):

HON 150 (2 credits): Open only to students formally accepted into the Honors Program starting fall 2009. This short, intensive seminar is intended to introduce students to one another, the director, and upper-class Honors students from across the curriculum who will serve as course assistants. Faculty and administrators will be invited as periodic guests to share information pertinent to enrichment opportunities relevant to the Honors planning (FSC, LAC, CIG, Study Abroad, Nationally Endowed Scholarships, etc.)

ENG 131H (3 credits): Open only to students formally accepted into the Honors Program starting fall 2008. This course is a common experience for all Honors students. Assignments in writing expository and argumentative prose with particular emphasis on content development.

LAS 200H (3 credits): Open only to students formally accepted into the Honors Program starting fall 2008. This course is a common experience for all Honors students. It investigates cultural differences and explores the influence of culture upon human values and perceptions. Students will read influential texts from the humanities, social sciences, and natural sciences. Honors students will also participate in a course-related study tour, a service learning project, or a scientific investigation.

Honors Courses (Open to Honors Program students and to non-Honors Program students with at least a 3.5 GPA): The remaining courses required to complete the Honors Program will be selected from special offerings in the College curriculum. “H” or HON courses will be offered by the Divisions of Humanities, Natural Sciences and Social Sciences. These courses will be designed to be academically rigorous and relevant to Honors Program goals. Students will *not* be awarded credit for duplication of courses; *for example*, PSY 110 and PSY 110H.

HON 050(I) Credits to be arranged: INDEPENDENT STUDY. See [Independent Study Program, Section II](#).

HON 070 (1-4 credits): INTERNSHIP. See [Internship Program, Section II](#).

HON 200 (3-4 credits): HON 200 is a course with an intentional perspective from two core divisions (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 (1-4 credits): Special Topics courses (Example: Problem Solving, Constructing Scientific Knowledge, Freedom vs. Equality, Ethical Clashes)

HON 350 (1-4 credits): Advanced Special Topics courses. Junior or Senior status required.

HON 259/359/459 Faculty Student Collaboration (3 credits): Through the FSC courses Baldwin-Wallace College 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. See [FSC Program, Section II](#).

HON 491 Honors Thesis (3-4 credits): 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.

Admission into the Honors Program:

There are two ways a student can participate:

(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) Rising Sophomore Admission. Consideration will be given to students upon completion of a full time freshman year (minimum 24 credits). While students will formally apply through the Honors Program office in May of their freshman year, they are encouraged to meet with the Program Director early in the freshman year.

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 3.0 or better) and who have achieved a cumulative grade point average of 3.5 or higher will, upon graduation, receive appropriate recognition on their transcripts. Students will also be awarded the Baldwin-Wallace College Honors Program medallion to be worn at graduation.

INTERNATIONAL STUDIES

The interdisciplinary major in international studies is designed to assist the student in developing the ability to analyze complex global issues, to function successfully in an international environment and to develop intercultural sensitivity. These objectives are met by a program which combines interdisciplinary analysis with courses in sociology, earth science, political science, history, economics and religion as well as competence in a foreign language. A required interdisciplinary seminar is used to focus attention on special problems of international concern. This major provides students with the flexibility to pursue their own special interests once the basic requirements are fulfilled. Some students may wish to combine the International Studies major with a second major in any of the required areas, business, foreign language or any other college major. The College encourages students to study abroad and many opportunities are available through the Explorations/Study Abroad Office.

Direct all questions related to the International Studies major or minor to Dr. Judy Krutky, Chair of the Committee Supervising the International Studies Major.

International Studies Major

Computer Code: INTS

Minimum credits required: 31-59 depending on prerequisites and language proficiency

Required courses

(1) All students are required to complete

INT	200I	Introduction to the International Studies	3 credits
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(2) In order to provide an interdisciplinary basis for understanding global issues all students will complete:

a. one course from

Group 1

POL	211I	International Politics	4 credits
POL	221I	Intro to Comparative Politics	4 credits

b. plus one course from three of the four groups which follow:

Group 2

GEO	111L	The Dynamic Earth	4 credits
GEO	121IL	Physical Geography	4 credits
GEO	200I	Regional Geology	2 credits
GEO	205L	Geo-Orienteering	3 credits
GEO	227	Environmental Geology	3 credits
GEO	229	Oceanography	3 credits
POL	205	Environmental Politics	3 credits
POL	214I	Political Geography	3 credits
BIO/ECN	150I	Humans and the Earth	3 credits

Group 3

HIS	227I	History of Africa	3 credits
HIS	245I	Russia	4 credits
HIS	260I	Topics in History (when topics are international)	3 credits
HIS	267I	Vietnam	3 credits
HIS	288I	Islamic History 600-1800	3 credits
HIS	291I	East Asia	3 credits

Group 4

ASN	100I	Understanding Asia	3 credits
ART	232IF	Western Art II	4 credits
ART	235IF	Topics in Non-Western Art	3 credits
HUM	285I	Intercultural Communication	3 credits
POL	228I	The Middle East Today	2 or 3 credits
REL	101I	Religions of India	3 credits
REL	102I	Religions of China and Japan	3 credits
REL	108I	Islam	2 credits
REL	201I	Buddhist Culture in Asia	3 credits
REL	215I	Death/Afterlife in World's Religions	3 credits
REL	216I	Women and Religion	3 credits
REL	217I	Religion and Violence	3 credits
REL	262	Green Business: God, Money and Ecology	3 credits
BUS	250	Green Business: God, Money and Ecology	3 credits
SOC	181I	Cultural Anthropology	3 credits
SOC	270I	Terrorism: Roots and Responses	3 credits
HIS	236I	Women in Asian Civilizations	3 credits
GER	240I	Contemporary Germany	3 credits
GER	275IF	Introduction to German Literature	4 credits
FRN	240I	Contemporary France	3 credits
FRN	275IF	Introduction to French Literature	4 credits
SPN	240I	Contemporary Spain and Latin America	3 credits
SPN	275IF	Introduction to Hispanic Literature	4 credits

Group 5

ECN	365I	International Economics	3 credits
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(3) The student should select four upper division electives from at least two disciplines from among the courses listed below. 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 division courses listed below.

= Courses may only be counted if not chosen as a basic requirement.

ART	432IF	Twentieth Century Art	3 credits
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BUS	310I	Introduction to International Business	3 credits
BUS	329	Business Ethics	3 credits
BUS	351I	Global Strategy	3 credits
BUS	436I	International Marketing	4 credits
BUS	444I	International Financial Management	4 credits
ECN	358	Environmental Economics	3 credits
ECN	360I	Comparative Economic Systems	3 credits
ECN	362I	Economics of Developing Countries	3 credits
ECN	365I	International Economics #	3 credits
ENG	335I	Studies in World Literature	4 credits
FRN	310I	French Civilization I	3 credits
FRN	311I	French Civilization II	3 credits
FRN	375IF	Survey of French Literature I	3 credits
FRN	376IF	Survey of French Literature II	3 credits
GER	310I	German Civilization	3 credits
GER	375IF	Survey of German Literature I	3 credits
GER	376IF	Survey of German Literature II	3 credits
HIS	345I	Traditional Russia	4 credits
HIS	346I	Modern Russia	4 credits
HIS	348I	Tudor Stuart England	4 credits
HIS	349I	Victorian and Modern Britain	4 credits
HIS	356	Recent America: 1945-Present	4 credits
HIS	360I	Topics in History	3-4 credits
HIS	381I	The Arab-Israeli Conflicts	4 credits
HIS	389I	The Modern Middle East	3 credits
HIS	391I	History of China	4 credits
POL	311I	American Foreign Policy	3 credits
POL	314I	Comparative Foreign Relations	3 credits
POL	315I	International Organization	3 credits
POL	321I	Democracy and Democratization	3 credits
POL	322I	Russia and Eastern Europe	3 credits
POL	326I	Special Comparative Political Studies	3 credits
POL	327I	Political Change in Asia	3 credits
POL	329I	Government and Politics in Sub-Saharan Africa	3 credits
SOC	302I	Racial and Cultural Minorities	3 credits
SOC	303I	Urban Community Life	3 credits
SOC	350I	Modern China	3 credits
SOC	386I	Global Perspectives	3 credits
SPN	310I	Spanish Civilization	3 credits
SPN	311I	Spanish-American Civilization	3 credits
SPN	375IF	Survey of Spanish Literature	3 credits
SPN	376IF	Survey of Spanish-American Literature	3 credits

If a student desires a concentration in one of the areas listed below, at least four courses must be chosen from one concentration area with no more than three from one discipline.

International Business and Economics: ECN 358, ECN 360I, ECN 362I, ECN 365I, BUS 310I, BUS 329, BUS 351I, BUS 436I, BUS 444I

Foreign Policy and Diplomacy: POL 311I, POL 314I, POL 315I, POL 322I, POL 326I, HIS 381I

History, Society and Culture: POL 311I, POL 321I, POL 329I, HIS 345I, HIS 346I, HIS 348I, HIS 349I, HIS 356, HIS 363, HIS 389I, ENG 335I, SOC 302I, SOC 303I

Latin American and Caribbean Studies: ECN 362I, SPN 311I, SPN 376IF

Asian Studies: ECN 362I, HIS 391I, POL 327I, SOC 350I

European Studies (including Russia): POL 314I, POL 322I, ENG 335I (when focus is European), HIS 345I, HIS 346I, HIS 348I, HIS 349I, ART 432IF, GER 310I, GER 375IF, GER 376IF, FRN 310I, FRN 311I, FRN 375IF, FRN 376IF, SPN 310I, SPN 375IF

(4) International Studies majors are required to exhibit competence in at least one foreign language, that is, a language other than their native language. International Studies majors must take foreign language courses to a level equivalent to 2 semesters above 202. Students enrolled in CHI and ARA at Baldwin-Wallace can satisfy the requirement by completing 4 semesters of CHI or ARA up to and including Intermediate Chinese/Arabic II.

FRENCH: 201, 202 and any two courses above FRN 202

GERMAN: 201, 202 and any two courses above GER 202

SPANISH: 201, 202 and any two courses above SPN 202

CHINESE: 101, 102, 201, 202

ARABIC: 101,102 and Intermediate Arabic I & II

Note: If for any reason Baldwin-Wallace does not offer enough courses in a student's chosen language to reach the required level for that language, then courses in one other foreign language may be combined to achieve the requirement. Students are, of course, also encouraged to continue their language study through any other available opportunities (i.e. study abroad, independent study, summer programs, etc. Please consult your International Studies or Foreign Language advisor for information on alternatives).

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 must see the Chairman of the Department of Foreign Languages for requirements.

Students should begin language study as soon as possible. The Chair of the Department of Foreign Languages is available for help in establishing a program that insures timely completion of the language competence requirement. International Studies students are strongly urged to study abroad.

(5) Finally, each student must take an interdisciplinary capstone seminar intended to help students achieve an ability to deal with complex problems in International Studies requiring an integration of knowledge from diverse fields of study. Methodological concerns will be of great importance; a research paper may be among the products of this seminar. The seminar, which may be team-taught, will be offered each spring semester by professors in the departments associated with the International Studies major, and will deal with selected topics chosen by the professors 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. (NOTE: All International Studies majors would benefit by taking a research methods class in one of the departments responsible for basic requirements courses in the International Studies major. Students who plan to attend graduate school or law school are strongly encouraged to do so.)

International Studies Minor

Minimum Credits Required: 18

Requirements:

The requirements for a minor in International Studies are:

- INT 200I Introduction to International Studies 3 credits
- One (1) course each from three of five required groups in number 2a-b 9-12 credits
- Two (2) 300-400 courses from two different disciplines chosen from the upper division electives listed in (3) or from INT interdisciplinary seminar offerings 6-8 credits

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.

International Studies Course Descriptions

INT 050 INDEPENDENT STUDY

Credit hours to be arranged

See [Independent Study Program, Section II](#)

INT 070 INTERNSHIP

Credit hours to be arranged

See [Internship Program, Section II](#)

INT 259,359,459 FACULTY-STUDENT COLLABORATION

Credit hours to be arranged

See [FSC Program, Section II](#).

INT 2001 INTRODUCTION TO INTERNATIONAL STUDIES

Three credit hours

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 IS major. The course is appropriate for freshmen and other students who may count it toward the B-W core curriculum International Studies and/or Social Sciences requirements.

INT 263I SPECIAL TOPICS

One to three credit hours

An examination of selected topics in the field of international studies. May be repeated if topics are different. Not offered every year.

INT 363I SEMINAR IN INTERNATIONAL STUDIES

Three credit hours

An upper-level seminar dealing with topics not covered elsewhere in the curriculum. Not offered every year.

INT 463I SPECIAL TOPICS COURSE

Three credit hours

An integrative interdisciplinary capstone seminar which draws on at least two of the disciplines which comprise the IS major to analyze a contemporary topic of global significance. Consult the International Studies section of the course schedule for topics and scheduling information.

LEADERSHIP STUDIES MINOR

The David Brain Minor in Leadership Studies is designed to educate people for and about leadership. The multi-disciplinary minor in leadership studies, grounded firmly in the liberal arts, provides students with a rigorous course of study. The David Brain Leadership Program views leadership as a form of stewardship. Accordingly, it assumes that the obligations of leadership fall to every citizen of the world; thus all individuals can assume leadership in one way or another. In doing so, the program aims to make a difference both in lives of Baldwin-Wallace students and in the lives of those they touch.

The leadership minor gives students an academic grounding in leadership skills; enhances critical thinking, promotes strategies to set goals and develop strategies to achieve them, provides a mechanism to make carefully considered and ethical decisions, and facilitates societal change. The program seeks to develop the citizen leader, one who puts others first and who serves humanity in an ethical and uplifting way.

Direct all questions related to the David Brain Minor in Leadership Studies to Dr. Tiffany Hansbrough, Director of Leadership Studies, 102 H Bonds Administration Building.

Leadership Studies Minor

Computer Code: LDRP

Minimum credits required: 21

Required courses

LDR	201	Introduction to Leadership Studies	3 credits
LDR	202D	Contemporary Problems in Leadership	3 credits
PHL	102/205	Ethics	3 credits
LDR	463	Capstone: Implementing Citizen Leadership	3 credits

Elective courses (3 courses required)

National Context: Take one course

ECN	356D	Urban Economics	3 credits
POL	101	American National Government	4 credits
POL	205	Environmental Politics	3 credits
POL	206D	Diversity & U.S. Democracy	4 credits
POL	221I	Intro to Comparative Politics	4 credits
POL	231	Intro to Political Theory	4 credits
SOC	301D	Social Inequalities	3 credits
SOC	302I	Racial and Cultural Minorities	3 credits
SOC	418D	Social Movements	3 credits

Global Context: Take one course

HIS	381I	The Arab-Israeli Conflicts	4 credits
INT	200I	Intro to International Studies	3 credits
POL	211I	International Politics	4 credits
POL	228I	The Middle East Today	2-3 credits

LIBERAL ARTS AND SCIENCES

As part of its core curriculum, Baldwin-Wallace College offers an entry-level course in Liberal Arts and Sciences, designed to assist students in developing a global perspective and an intercultural understanding of both historical and contemporary events. In LAS 200, students discover a common base of knowledge that addresses fundamental questions of the liberal arts and sciences which include: What is human nature? How do humans relate to each other? How do humans relate to their natural environment? LAS 200 is designed to provide both a common intellectual foundation for students, and an opportunity to learn and practice essential skills of the liberal arts and sciences, including critical thinking, effective communication, and skill in interpreting quantitative and qualitative data. Students can expect to apply both the skills and the content knowledge learned in LAS 200 in other courses they take as part of their core and their major.

Course Description

LAS 200 Enduring Questions for an Intercultural World 3 credit hours

Prerequisites: Completion of ENG 131 and readiness for MTH core course or completion of MTH 137

In this course, designed as a common experience across all sections, students use the ideas of great thinkers to consider how culture shapes human nature, human relationships and the relationship between people and the natural world, both in the past and today. Students will critically assess different responses to fundamental human questions by exploring readings in the humanities, social sciences, and natural sciences, and will apply their understanding to contemporary domestic and international issues.

LAS 155I Language and Culture Connections in Spanish 1 credit hour

Corequisites: to be taken either after completing LAS 200 or simultaneously with LAS 200. The credit earned in this course counts toward students' fulfillment of their general humanities core requirement and may count toward students' 'International' core requirement.

This course is designed to supplement the cultural and international focus of LAS 200. In small group settings, students with basic competence in Spanish will have the opportunity to use their language skills to identify connections between language and culture, and to learn how countries in which Spanish is spoken address enduring questions and various contemporary international issues. Students who would like to enhance their Spanish language skills outside of foreign language classes, and/or are interested in contemporary cultural and international issues, are especially encouraged to enroll in this course. **Offered S/U only.**

LAS 156I Language and Culture Connections in French 1 credit hour

Corequisites: to be taken either after completing LAS 200 or simultaneously with LAS 200. The credit earned in this course counts toward students' fulfillment of their general humanities core requirement and may count toward students' 'International' core requirement.

This course is designed to supplement the cultural and international focus of LAS 200. In small group settings, students with basic competence in French will have the opportunity to use their language skills to identify connections between language and culture, and to learn how countries in which French is spoken address enduring questions and various contemporary international issues. Students who would like to enhance their French language skills outside of foreign language classes, and/or are interested in contemporary cultural and international issues, are especially encouraged to enroll in this course. **Offered S/U only.**

LAS 1571 Language and Culture Connections in German

1 credit hour

Corequisites: to be taken either after completing LAS 200 or simultaneously with LAS 200. The credit earned in this course counts toward students' fulfillment of their general humanities core requirement and may count toward students' 'International' core requirement.

This course is designed to supplement the cultural and international focus of LAS 200. In small group settings, students with basic competence in German will have the opportunity to use their language skills to identify connections between language and culture, and to learn how countries in which German is spoken address enduring questions and various contemporary international issues. Students who would like to enhance their German language skills outside of foreign language classes, and/or are interested in contemporary cultural and international issues, are especially encouraged to enroll in this course. **Offered S/U only.**

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. Over half of our students choose this path by entering prestigious graduate schools with assistantships to finance their graduate education.

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 students at Baldwin-Wallace College must pass a course called "Applied College Mathematics" (MTH-136) or a higher numbered MTH course to satisfy the CORE requirement. Education majors who are required to take both MTH-111 and MTH-112 ("Mathematics for Elementary and Middle School Teachers, Parts I & II") may substitute MTH-111 and MTH-112 for MTH-136. The mathematics core requirement must be completed within the first two years (first 56 credit hours) taken at B-W.

All courses offered in this department presume that the enrolling 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.

Mathematics Major

Computer Code: MTHS

The major consists of the following required courses, together with 20 additional credits numbered above 199, subject to the requirements below.

Required courses (* = Prerequisite Required)

MTH	141	Calculus I	4 credits*
MTH	142	Calculus II	4 credits*
MTH	243	Calculus III	4 credits*
MTH	211	Linear Algebra	4 credits*
MTH	206	Mathematical Logic and Proof Methods	1 credit*
MTH	161	Discrete Mathematics I	4 credits*
CSC	210	Computer Science I: Programs and Applications	3 credits*
EDU	104	Technologies for the K-12 Educator (for AYA teaching candidates)	3 credits

One course in applied mathematics, chosen from among the following:

MTH	212	Differential Equations	4 credits*
MTH	307	Operations Research	3 credits*

MTH	314	Numerical Analysis	3 credits*
MTH	405	Mathematical Statistics I	4 credits*
MTH	406	Mathematical Statistics II	3 credits*

At least one of the following courses:

MTH	311	Advanced Calculus I	4 credits*
MTH	411	Abstract Algebra I	4 credits*

One of the following sequences of two courses:

MTH	311	Advanced Calculus I and	4 credits*
MTH	312	Advanced Calculus II	3 credits*
MTH	405	Mathematical Statistics I and	4 credits*
MTH	406	Mathematical Statistics II	3 credits*
MTH	411	Abstract Algebra I and	4 credits*
MTH	412	Abstract Algebra II	3 credits*

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 planning to major in mathematics are urged to take CSC 210 (Programs & Applications) early in their academic program.

Licensure for Secondary Teaching

Students seeking secondary school licensure in mathematics in Ohio are required to complete a major in mathematics which must include the following courses as part of their program: MTH 201 (History of Mathematics), MTH 315 (College Geometry), MTH 411 (Abstract Algebra I), MTH 135 (Introduction to Probability and Statistics) or MTH 405 (Mathematical Statistics I), and MTH 262 (Discrete Mathematics II).

Mathematics Minor

A minor in mathematics is available. It consists of MTH 141 and MTH 142 (Calculus I and II) and **either** 10 additional MTH credits numbered above 199 **or** MTH 161 and 9 additional MTH credits numbered above 199.

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 141,142

Dual Major with Economics

The Mathematics Department also cooperates with the Economics Department to offer a dual major in economics and mathematics. This combination is particularly appropriate for students seeking to pursue graduate studies in economics. See the Economics Department section for details.

Mathematics

Course Descriptions

Note: Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses. Students are required to have passed the Baldwin-Wallace mathematics placement test or to have scored at least 24 on the quantitative portion of the ACT or at least 560 on the quantitative portion of the SAT.

MTH 050 INDEPENDENT STUDY *One to four credit hours*
See [Independent Study Program, Section II.](#)

MTH 070 INTERNSHIP *Credits to be arranged*
See [Internship Program, Section II.](#)

MTH 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*
See [FSC Program, Section II.](#)

MTH 111 MATHEMATICS FOR EARLY AND MIDDLE CHILDHOOD TEACHERS, PART I *Four credit hours*
Prerequisite: Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses. Students are required to have passed the Baldwin-Wallace mathematics placement test or to have scored at least 24 on the quantitative portion of the ACT or at least 560 on the quantitative portion of the SAT.

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 EARLY AND MIDDLE CHILDHOOD TEACHERS, PART II *Four credit hours*
Prerequisite: 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 and middle childhood majors only. A continuation of MTH 111, this course examines the ideas and concepts of geometry and discrete mathematics. Included are a study of measurement in one, two, and three dimensions, synthetic, coordinate, and transformational geometry, counting theory, basic probability, and basic statistics.

MTH 115 GEOMETRY FOR MIDDLE CHILDHOOD TEACHERS *Three credit hours*
Prerequisite: MTH 112 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 students taking the mathematics concentration for early and/or middle childhood teaching licensure.

MTH 133 ALGEBRAIC THINKING THROUGH MODELING *Three credit hours*
Prerequisite: 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 135 INTRODUCTION TO PROBABILITY AND STATISTICS *Three credit hours*
Prerequisite: Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses. Students are required to have passed the Baldwin-Wallace

mathematics placement test or to have scored at least 24 on the quantitative portion of the ACT or at least 560 on the quantitative portion of the SAT.

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 136 APPLIED COLLEGE MATHEMATICS Three credit hours

Prerequisite: Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses. Students are required to have passed the Baldwin-Wallace mathematics placement test or to have scored at least 24 on the quantitative portion of the ACT or at least 560 on the quantitative portion of the SAT.

This course is designed for freshmen and deals with the fundamental mathematical tools frequently applied in the natural, management and social sciences. Topics include functional relationships, linear systems, matrices, linear programming, mathematics of finance, sets and graphing. (All topics are approached with a view toward applications.)

MTH 137 MATHEMATICS MODELING & QUANTITATIVE ANALYSIS Three 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.

The course satisfies the core mathematics requirement.

MTH 138 BIOSTATISTICS Three credit hours

Prerequisite: Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses. Students are required to have passed the Baldwin-Wallace mathematics placement test or to have scored at least 24 on the quantitative portion of the ACT or at least 560 on the quantitative portion of the SAT.

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 140 PRECALCULUS MATHEMATICS Four credit hours

Prerequisite: Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses. Students are required to have passed the Baldwin-Wallace mathematics placement test or to have scored at least 24 on the quantitative portion of the ACT or at least 560 on the quantitative portion of the SAT.

A college 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 141,142 CALCULUS I, II Four credit hours each

Prerequisite: Four years of high school mathematics including trigonometry or MTH 140. Each course is a prerequisite to the one which follows.

A sequence comprising a unified course in differential and integral calculus of a single variable. Topics from elementary functions are reviewed as needed. Computer symbol manipulation and graph generation software will be an integral part of the courses.

MTH 161 DISCRETE MATHEMATICS I Four credit hours

Prerequisite: Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses. Students are required to have passed the Baldwin-Wallace mathematics placement test or to have scored at least 24 on the quantitative portion of the ACT or at least 560 on the quantitative portion of the SAT.

This course covers mathematical tools used in the study of discrete processes as opposed to continuous processes. These tools are frequently used in the study of computers. Topics include logic, methods of proof, functions, efficiency of algorithms and mathematical induction.

MTH 312	ADVANCED CALCULUS II	Three credit hours
<i>Prerequisite: MTH 311</i>		
A continuation of MTH 311, covering metric spaces, integration, sequences and series of numbers and of functions, and further topics as time permits. Offered spring of even years.		
MTH 313	APPLIED ANALYSIS	Three credit hours
<i>Prerequisite: MTH 243</i>		
A course in advanced engineering mathematics covering partial differential equations, complex variables, Laplace transforms, Fourier series, vector analysis and orthogonal functions. Offered on demand.		
MTH 314	NUMERICAL ANALYSIS	Three credit hours
<i>Prerequisite: MTH 243 and CSC 210</i>		
A study of numerical methods of solving problems, including those to which the computer is applicable. Offered on demand.		
MTH 315	COLLEGE GEOMETRY	Three credit hours
<i>Prerequisite: MTH 142</i>		
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. Required for those seeking licensure to teach high school mathematics. Offered fall of odd years.		
EDU 357	SPECIAL METHODS IN SECONDARY TEACHING FIELD	Four credit hours
See EDU 357. Required of those seeking licensure to teach high school mathematics.		
MTH 405	MATHEMATICAL STATISTICS I	Four credit hours
<i>Prerequisite: MTH 243 or permission of instructor</i>		
Theory of probability and mathematical statistics. Emphasis is on probability distributions. Offered fall of odd years.		
MTH 406	MATHEMATICAL STATISTICS II	Three credit hours
<i>Prerequisite: MTH 405</i>		
A continuation of MTH 405 with emphasis on the theory and applications of random samples, hypothesis testing, parameter estimation and regression. Offered spring of even years.		
MTH 411	ABSTRACT ALGEBRA I	Four credit hours
<i>Prerequisite: MTH 243 and 211</i>		
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. Offered fall of even years.		
MTH 412	ABSTRACT ALGEBRA II	Three credit hours
<i>Prerequisite: MTH 411</i>		
Continuation of the material in MTH 411. Rings, integral domains, fields and Galois theory will be studied. Offered spring of odd years.		
MTH 463	SEMINAR	One to three credit hours
<i>Prerequisite: Advanced standing and consent of the instructor</i>		
Advanced study for qualified students.		
MTH 491,492	DEPARTMENTAL THESIS/PROJECT	Credit hours to be arranged
See Departmental Thesis/Project, Section II		

MUSIC

The Baldwin-Wallace College Conservatory of Music

The Conservatory of Music at Baldwin-Wallace is an artistic community within a liberal arts college, 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 Outreach Department 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
- Bachelor of Music Education (BME)
- Bachelor of Arts (BA)

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 Assistant Director and usually require additional semesters of study. An emphasis in Arts Management or Jazz Studies is available with any music major and may require additional semesters of study. 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.
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 College requirement of an overall GPA of 2.0.
8. In accordance with College policy, a maximum of four credits of D grades in MUS 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, or music therapy.

BM Performance: Instrumental (Strings/Winds-Percussion)

Computer Code:
MUSI

Minimum Total Credits Required: 126.5/124.5

Minimum Music Credits Required: 97.5/95.5

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS 001	Performance Attendance (6 semesters)	0 credits
MUS 002	Departmental Recital (8 semesters)	0 credits
MUS 101F, 102F	Primary Instrument ¹	4,4 credits+
MUS	Secondary Instrument ²	4 credits+
MUS 106, 107	Harmony 1, 2	2,2 credits+
MUS 116, 117	Solfège/Eurhythmics 1, 2	2,2 credits+
MUS 170F	Ensemble ³	8 credits+
MUS 201F, 202F	Primary Instrument ¹	4,4 credits*
MUS 206, 207	Harmony 3, 4	2,2 credits*
MUS 216, 217	Solfège 3, 4	2,2 credits*
MUS 221I	Listening to Musics of the World	2 credits
MUS 222I	Music History & Literature 1	3 credits*
MUS 260	Instrumental Pedagogy (strings only)	2 credits
MUS 270	Chamber Music ⁴	6/4 credits+
MUS 291	Intro to Conducting	2 credits
MUS 293	Instrumental Conducting	2 credits*
MUS 301F, 302F	Primary Instrument ¹	4,4 credits*
MUS 303	Partial Junior Recital	0.5 credits\$
MUS 306, 307	Form & Analysis 1,2	2,2 credits*
MUS 308	18th Century Counterpoint	2 credits*
MUS 313, 314	Orchestration 1,2	2,1 credits
MUS 321I, 322I	Music History & Literature 2,3	3,3 credits*
MUS 401F, 402F	Primary Instrument ¹	4,4 credits*
MUS 404	Full Senior Recital	1 credit\$
MUS ELE	Music Electives ⁵	4/6 credits

Minimum Liberal Arts Credits Required: 29

ENG	131	Workshop in Exposition and Argument	3 credits
MTH	136 or higher	Applied College Mathematics	3 credits
LAS	200	Enduring Questions for an Intercultural World	3 credits
HPE		Health and Physical Education	2 credits
		Liberal Arts and Sciences electives ⁶	10 credits
		Foreign Language ⁷	8 credits

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, and cello students take a minimum of 6 credits of Chamber Music; string bass students take a minimum of 2, and the balance in music electives. Wind players take a minimum of 4 credits. Guitar students substitute Guitar Ensemble for Chamber Music (6 credits); percussionists substitute Percussion Ensemble (4 credits).

⁵ 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 Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

⁷ A proficiency exam is administered to determine entry level of foreign language requirement. Students whose language requirement is reduced take the equivalent number of credit hours in other liberal arts courses.

BM Performance: Keyboard (Piano/Organ)**Computer Code: MUSK****Minimum Total Credits Required: 130.5/128.5****Minimum Music Credits Required: 101.5/99.5**

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS	001	Performance Attendance (6 semesters)	0 credit
MUS	002	Departmental Recital (8 semesters)	0 credit
MUS	101F, 102F	Primary Instrument ¹	4,4 credits+
MUS		Secondary Instrument ²	4 credits+
MUS	106, 107	Harmony 1, 2	2,2 credits+
MUS	116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS	170F	Ensemble ³	2/6 credits+
MUS	181, 182	Sight-Reading 1, 2	1,1 credits
MUS	201F, 202F	Primary Instrument ¹	4,4 credits*
MUS	206, 207	Harmony 3,4	2,2 credits*
MUS	216, 217	Solfege 3,4	2,2 credits*
MUS	221I	Listening to Musics of the World	2 credits
MUS	222I	Music History & Literature 1	3 credits*

MUS 270	Chamber Music ⁴ (pianists only)	2 credits+
MUS 281, 282	Piano Pedagogy 1,2 (pianists only)	2,2 credits
MUS 283	Collaborative Piano ⁵	6/2 credits*
MUS 291	Intro to Conducting	2 credits
MUS 292 or 293	Choral or Instrumental Conducting	2 credits*
MUS 301F, 302F	Primary Instrument ¹	4, 4 credits*
MUS 303	Partial Junior Recital	0.5 credits\$
MUS 306, 307	Form & Analysis 1,2	2,2 credits*
MUS 308	18th Century Counterpoint	2 credits*
MUS 313, 314	Orchestration 1,2	2,1 credits
MUS 321I, 322I	Music History & Literature 2,3	3,3 credits*
MUS 381, 382	Piano Literature 1,2 (pianists only)	2,2 credits
MUS 385	Preparation for the Church Musician (organists only)	2 credits
MUS 401F, 402F	Primary Instrument ¹	4,4 credits*
MUS 404	Full Senior Recital	1 credit\$
MUS 408	16th Century Counterpoint (organists only)	2 credits
MUS ELE	Music Electives (pianists/organists)	4/8 credits

Minimum Liberal Arts Credits Required: 29

ENG 131	Workshop in Exposition and Argument	3 credits
MTH 136 or higher	Applied College Mathematics	3 credits
LAS 200	Enduring Questions for an Intercultural World	3 credits
HPE	Health and Physical Education	2 credits
	Liberal Arts and Sciences electives ⁶	10 credits
	Foreign Language ⁷	8 credits

¹ Four credits per semester for 8 semesters. All piano primaries must pass Proficiency 4.

² Secondary instrument for pianists is organ, harpsichord, voice, or an orchestral instrument. Organists take secondary 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 One credit per semester for 2 semesters.

⁵ For pianists, one credit per semester for 6 semesters. For organists, one credit per semester for 2 semesters

⁶ Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

⁷ A proficiency exam is administered to determine entry level of foreign language requirement. Students whose language requirement is reduced take the equivalent number of credit hours in other liberal arts courses.

BM Performance: Voice

Computer Code: MUSV

Minimum Total Credits Required: 131.5**Minimum Music Credits Required: 94.5**

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS 001	Performance Attendance (6 semesters)	0 credit
MUS 002	Departmental Recital (8 semesters)	0 credit
MUS 101F, 102F	Primary Instrument ¹	3,3 credits+
MUS	Secondary Instrument ²	4 credits+
MUS 106, 107	Harmony 1, 2	2,2 credits+
MUS 116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS 140	Singers' Phonetics	1 credit
MUS 141	Singers' Diction 1	1 credit*
MUS 147, 148	Opera Workshop 1, 2	1,1 credit
MUS 170F	Ensemble ³	8 credits+
MUS 201F, 202F	Primary Instrument ¹	3,3 credits*
MUS 206, 207	Harmony 3,4	2,2 credits*
MUS 216, 217	Solfege 3,4	2,2 credits*
MUS 221I	Listening to Musics of the World	2 credits
MUS 222I	Music History & Literature 1	3 credits*
MUS 240, 241	Singers' Diction 2,3	1,1 credits*
MUS 247, 248	Opera Workshop 3, 4	1,1 credit*
MUS 291	Intro to Conducting	2 credits
MUS 301F, 302F	Primary Instrument ¹	3,3 credits*
MUS 303	Partial Junior Recital	0.5 credit\$
MUS 306, 307	Form & Analysis 1,2	2,2 credits*
MUS 308	18th Century Counterpoint	2 credits*
MUS 321I, 322I	Music History & Literature 2,3	3,3 credits*
MUS 342, 343	Vocal Literature 1,2	2,2 credits
MUS 347, 348	Opera Workshop 5, 6	1,1 credit*
MUS 401F, 402F	Primary Instrument ¹	3,3 credits*
MUS 404	Full Senior Recital	1 credit\$
MUS 442, 443	Vocal Pedagogy 1,2	2,1 credits
MUS 447	Opera Workshop 7	1 credit*
MUS ELE	Music Electives ⁴	4 credits*

Minimum Liberal Arts Credits Required: 37

ENG 131	Workshop in Exposition and Argument	3 credits
MTH 136 or higher	Applied College Mathematics	3 credits
LAS 200	Enduring Questions for an Intercultural World	3 credits
HPE	Health and Physical Education	2 credits

Liberal Arts and Sciences electives ⁵	10 credits
Foreign Language ⁶	16 credits

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 Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement.

⁵ Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

⁶ A proficiency exam is administered to determine entry level of foreign language requirement. Students take at least one year (8 credits) of German, French or Italian. Students with proficiency in any of the above languages must take the equivalent number of credits in other language courses.

BM Music Theatre

Computer Code: MUSH

Minimum Total Credits Required: 128

No more than four credits of D may be earned in MUS, THE, and HPE dance technique courses.

Minimum Music Credits Required: 66.5

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS	001	Performance Attendance (6 semesters)	0 credit
MUS	002	Departmental Recital (8 semesters)	0 credit
MUS	101F, 102F	Primary Instrument ¹	3,3 credits+
MUS		Secondary Instrument ²	4 credits+
MUS	106, 107	Harmony 1, 2	2,2 credits+
MUS	116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS	140	Singers' Phonetics	1 credit
MUS	145, 146	Music Theatre Workshop 1, 2	1,1 credit
MUS	170F	Ensemble ³	6 credits+
MUS	201F, 202F	Primary Instrument ¹	3,3 credits*
MUS	206	Harmony 3	2 credits*
MUS	208	Materials & Techniques of the Music Theatre Rep	4 credits*
MUS	216	Solfege 3	2 credits*
MUS	221I	Listening to Musics of the World	2 credits
MUS	245, 246	Music Theatre Workshop 3, 4	1,1 credit*
MUS	291	Intro to Conducting	2 credits
MUS	301F, 302F	Primary Instrument ¹	3,3 credits*
MUS	303	Partial Junior Recital ⁴	0.5 credit\$
MUS	327I	History of Opera	2 credits
MUS	345, 346	Music Theatre Workshop 5, 6	1,1 credit*

MUS	401F, 402F	Primary Instrument ¹	3,3 credits*
MUS	404	Full Senior Recital ⁵	1 credit\$
MUS	445, 446	Music Theatre Workshop 7, 8	1,1 credit*

Minimum Theatre Credits Required: 18

THE	100F	Introduction to Theatre	3 credits
THE	162F	Backstage Experience	1 credit
THE	180F	Stagecraft	3 credits
THE	191IF, 291IF, 288IF or 289IF	Theatre Lit. or Theatre History	3 credits
THE	272	Acting	3 credits*
THE	284	Stage Makeup	2 credits*
THE	372	Building a Character	3 credits*

Minimum Dance Credits Required: 13.0

HPE	141W	Ballet/ Modern/ Jazz/ Tap 1 ⁶	2 credits
DAN	142, 143, 144	Ballet/ Modern/ Jazz/ Tap 2, 3, 4 ⁶	8 credits
DAN	331F or 333F	Improv and Choreography OR Dance in Theatre	3 credits

Minimum General Studies Credits Required: 30.5

ENG	131	Workshop in Exposition and Argument	3 credits
MTH	136 or higher	Applied College Mathematics	3 credits
LAS	200	Enduring Questions for an Intercultural World	3 credits
HPE	110W	Personal Wellness	.5 credit
		Liberal Arts and Sciences electives ⁷	13 credits
		Foreign Language ⁸	8 credits

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 Half-length recital of art music required.

⁵ Must include singing, dancing, and drama.

⁶ Two .5 credit courses per semester for 6 semesters, and two 1 credit level IV classes per semester in the senior year. Additional dance classes may be required to reach proficiency; any dance credits waived must be replaced by other HPE credits. Dance technique class may be repeated for credit with permission of the instructor.

⁷ Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

⁸ A proficiency exam is administered to determine entry level of foreign language requirement. Students whose language requirement is reduced take the equivalent number of credit hours in other liberal arts courses.

BM History and Literature

Computer Code: MUSL

Minimum Total Credits Required: 128.5**Minimum Music Credits Required: 91.5**

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS 001	Performance Attendance (6 semesters)	0 credit
MUS 002	Departmental Recital (8 semesters)	0 credit
MUS 101F, 102F	Primary Instrument ¹	3,3 credits+
MUS	Secondary Instrument ²	4 credits+
MUS 106, 107	Harmony 1, 2	2,2 credits+
MUS 116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS 170F	Ensemble ³	8 credits+
MUS 201F, 202F	Primary Instrument ¹	3,3 credits*
MUS 206, 207	Harmony 3, 4	2,2 credits*
MUS 216, 217	Solfege 3, 4	2,2 credits*
MUS 221I	Listening to Musics of the World	2 credits
MUS 222I	Music History & Literature 1	3 credits*
MUS 291	Intro to Conducting	2 credits
MUS 292 or 293	Vocal or Instrumental Conducting	2 credits*
MUS 301F, 302F	Primary Instrument ¹	3,3 credits*
MUS 306, 307	Form & Analysis 1, 2	2,2 credits*
MUS 308	18th Century Counterpoint	2 credits*
MUS 313, 314	Orchestration 1, 2	2,1 credits*
MUS 316, 317	Adv. Keyboard Musicianship 1, 2	1,1 credit*
MUS 321, 322	Music History & Literature 2, 3	3,3 credits*
MUS 325	Introduction to Research in Music	1 credit
MUS 401F, 402F	Primary Instrument ¹	3,3 credits*
MUS 403	Partial Senior Recital ⁴	0.5 credit\$
MUS 405	Lecture Presentation ⁴	1 credit\$
MUS 408	16th Century Counterpoint	2 credits
MUS 428	Senior Research ⁵	1 credit
MUS SEM	History & Literature Seminars ⁶	6 credits
MUS ELE	Music Electives	2 credits

Minimum Liberal Arts Credits Required: 37

ENG 131	Workshop in Exposition and Argument	3 credits
MTH 136 or higher	Applied College Mathematics	3 credits
LAS 200	Enduring Questions for an Intercultural World	3 credits
HPE	Health and Physical Education	2 credits
	Liberal Arts and Sciences electives ⁷	10 credits
	Foreign Language ⁸	16 credits

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. Secondary instrument for pianists is organ, harpsichord, voice, or an orchestral instrument.

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 Lecture presentation on Senior Research topic required.

⁵ Topic determined by student in consultation with music history and literature advisor and with approval of the department.

⁶ Three required. Seminars may be replaced by independent study with permission of advisor.

⁷ Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

⁸ Language requirements include French and German. A proficiency exam is administered to determine entry level of foreign language requirement. Students whose language requirement is reduced may take the equivalent number of credit hours in another language or other liberal arts courses.

BM Theory

Computer Code: MUST

Minimum Total Credits Required: 128.5

Minimum Music Credits Required: 99.5

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS 001	Performance Attendance (6 semesters)	0 credit
MUS 002	Departmental Recital (8 semesters)	0 credit
MUS 101F, 102F	Primary Instrument ¹	3,3 credits+
MUS	Secondary Instrument ²	4 credits+
MUS 106, 107	Harmony 1, 2	2,2 credits+
MUS 111, 112	Intro to Composition	1,1 credits
MUS 116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS 170F	Ensemble ³	8 credits+
MUS 201F, 202F	Primary Instrument ¹	3,3 credits*
MUS 206, 207	Harmony 3, 4	2,2 credits*
MUS 216, 217	Solfege 3, 4	2,2 credits*
MUS 221I	Listening to Musics of the World	2 credits
MUS 222I	Music History & Literature 1	3 credits*
MUS 291	Intro to Conducting	2 credits
MUS 292 or 293	Vocal or Instrumental Conducting	2 credits*
MUS 301F, 302F	Primary Instrument ¹	3,3 credits*
MUS 306, 307	Form & Analysis 1, 2	2,2 credits*
MUS 308	18th Century Counterpoint	2 credits*
MUS 311, 312	Composition 1, 2	3,3 credits*

MUS	313, 314	Orchestration 1, 2	2,1 credits*
MUS	316, 317	Adv. Keyboard Musicianship 1, 2	1,1 credit*
MUS	321I, 322I	Music History & Literature 2, 3	3,3 credits*
MUS	325	Introduction to Research in Music	1 credit
MUS	401F, 402F	Primary Instrument ¹	3,3 credits*
MUS	403	Partial Senior Recital	0.5 credit\$
MUS	405	Lecture Presentation ⁴	1 credit\$
MUS	408	16th Century Counterpoint	2 credits
MUS	417	Electronic Music	2 credits
MUS	418	Senior Research ⁵	1 credit
MUS	SEM	Theory Seminars ⁶	4 credits
MUS	ELE	Music Electives	2 credits

Minimum Liberal Arts Credits Required: 29

ENG	131	Workshop in Exposition and Argument	3 credits
MTH	136 or higher	Applied College Mathematics	3 credits
LAS	200	Enduring Questions for an Intercultural World	3 credits
HPE		Health and Physical Education	2 credits
		Liberal Arts and Sciences electives ⁷	10 credits
		Foreign Language ⁸	8 credits

¹ Three credits per semester for 8 semesters.

² Secondary instrument is piano until Jury 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. Secondary instrument for pianists is organ, harpsichord, voice, or an orchestral instrument.

³ One credit per semester for 8 semesters. Ensemble assignment made according to the student's major performing area.

⁴ Lecture presentation on Senior Research topic required.

⁵ Topic determined by student in consultation with theory advisor and with approval of the department.

⁶ Two required during junior and/or senior year. Seminars may be replaced by independent study with permission of advisor.

⁷ Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

⁸ Language requirements include French and German. A proficiency exam is administered to determine entry level of foreign language requirement. Students whose language requirement is reduced may take the equivalent number of credit hours in another language or other liberal arts courses.

BM Composition

Computer Code: MUSC

Minimum Total Credits Required: 129

Minimum Music Credits Required: 97

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS 001	Performance Attendance (6 semesters)	0 credit
MUS 002	Departmental Recital (8 semesters)	0 credit
MUS 101F, 102F	Primary Instrument ¹	2,2 credits+
MUS	Secondary Instrument ²	4 credits+
MUS 106, 107	Harmony 1, 2	2,2 credits+
MUS 111, 112	Intro to Composition	1,1 credits
MUS 116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS 135	Voice Class	1 credit
MUS 170F	Ensemble ³	8 credits+
MUS 201F, 202F	Primary Instrument ¹	2,2 credits*
MUS 206, 207	Harmony 3, 4	2,2 credits*
MUS 216, 217	Solfege 3, 4	2,2 credits*
MUS 221I	Listening to Musics of the World	2 credits
MUS 222I	Music History & Literature 1	3 credits*
MUS 234	Percussion Class	1 credit
MUS 291	Intro to Conducting	2 credits
MUS 292 or 293	Vocal or Instrumental Conducting	2 credits*
MUS 301F, 302F	Primary Instrument ¹	2,2 credits*
MUS 306, 307	Form & Analysis 1, 2	2,2 credits*
MUS 308	18th Century Counterpoint	2 credits*
MUS 311, 312	Composition 1, 2 ⁴	18 credits*
MUS 313, 314	Orchestration 1, 2	2,1 credits*
MUS 321I, 322I	Music History & Literature 2, 3	3,3 credits*
MUS 401F, 402F	Primary Instrument ¹	2,2 credits*
MUS 404	Full Senior Recital ⁵	1 credit\$
MUS 417	Electronic Music	2 credits
MUS ELE	Music Electives	4 credits

Minimum Liberal Arts Credits Required: 32

ENG 131	Workshop in Exposition and Argument	3 credits
MTH 136 or higher	Applied College Mathematics	3 credits
LAS 200	Enduring Questions for an Intercultural World	3 credits
HPE	Health and Physical Education	2 credits
	Liberal Arts and Sciences electives ⁶	13 credits
	Foreign Language ⁷	8 credits

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. Secondary instrument for pianists is organ, harpsichord, voice, or an orchestral instrument.

³ Students should have varied ensemble experience not necessarily limited to performance on the primary instrument.

⁴ Three credits per semester for 6 semesters.

⁵ Full-length recital of original compositions.

⁶ Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

⁷ A proficiency exam is administered to determine entry level of foreign language requirement. Students whose language requirement is reduced may take the equivalent number of credit hours in another language or other liberal arts courses.

BM Music Therapy

Computer Code: MUSP

Minimum Total Credits Required: 129

No more than four credits of D may be earned in MUS and PSY courses.

Minimum Music Credits Required: 90

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS 001	Performance Attendance (6 semesters)	0 credit
MUS 002	Departmental Recital (8 semesters)	0 credit
MUS 101F, 102F	Primary Instrument ¹	3,3 credits+
MUS	Secondary Instrument ²	4 credits+
MUS 106, 107	Harmony 1, 2	2,2 credits+
MUS 116, 117	Solfege/Eurhythmic 1, 2	2,2 credits+
MUS 131	Guitar Class	1 credit
MUS 135	Voice Class	1 credit
MUS 136	Group Vocal Techniques	1 credit
MUS 140	Singers' Phonetics (vocalists only)	1 credit
MUS 151	Introduction to Music Therapy	2 credits
MUS 170F	Ensemble ³	6 credits+
MUS 201F, 202F	Primary Instrument ¹	3,3 credits*
MUS 206, 207	Harmony 3, 4	2,2 credits*
MUS 216, 217	Solfege 3, 4	2,2 credits*
MUS 221I	Listening to Musics of the World	2 credits
MUS 222I	Music History & Literature 1	3 credits*
MUS 234	Percussion Class	1 credit
MUS 251	Recreational Music: Programming and Leadership ⁴	2 credits
MUS 252	Music Therapy Practicum ⁵	3 credits

MUS 291	Intro to Conducting	2 credits
MUS 301F, 302F	Primary Instrument ¹	3,3 credits*
MUS 306	Form & Analysis 1	2 credits*
MUS 315	Arranging OR	1 credit
MUS 318	Creating Music	1 credits*
MUS 321I, 322I	Music History & Literature 2, 3	3,3 credits*
MUS 351	Music Therapy in Psychiatry and Rehabilitation	3 credits
MUS 352	Music Therapy with the Developmentally Disabled	3 credits
MUS 353	Program Development and Administration in Music Therapy	2 credits
MUS 401F, 402F	Primary Instrument ¹	3,3 credits*
MUS 451	Psychology of Music 1	2 credits
MUS 452	Research Seminar in Music Therapy	2 credits
MUS 454	Internship ⁶	1 credits

Minimum Liberal Arts Credits Required: 39

ENG 131	Workshop in Exposition and Argument	3 credits
MTH 136 or higher	Applied College Mathematics	3 credits
LAS 200	Enduring Questions for an Intercultural World	3 credits
HPE	Health and Physical Education	2 credits
PSY 110	Principles of Psychology	4 credits
PSY 279	Elements of Statistics	4 credits*
PSY 302	Abnormal Psychology	4 credits*
SOC 100	Principles of Sociology	4 credits
BIO 203	Human Anatomy and Physiology 1	4 credits
EDU 103	Education of Children with Special Needs	2 credits
	Liberal Arts and Sciences electives ⁷	6 credits

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. Secondary instrument for pianists is organ, harpsichord, voice, or an orchestral instrument.

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 Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

Bachelor of Music Education Degree (Vocal/ Instrumental)

Computer Code: MUSE

Minimum Total Credits Required: 133.5/135.5

Students must earn a C or better in courses marked with ^. Students also 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. See Music Education chairperson for details.

Minimum Music Credits Required: 86.5/88.5

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS 001	Performance Attendance (6 semesters)	0 credit
MUS 002	Departmental Recital (7 semesters)	0 credit
MUS 101F, 102F	Primary Instrument ¹	3,3 credits+
MUS	Secondary Instrument ²	4 credits+
MUS 106, 107	Harmony 1, 2	2,2 credits+
MUS 116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS 130	Intro to Music Education	1 credit^
MUS 135	Voice Class 1 (instrumentalists only)	1 credit
MUS 136	Group Vocal Techniques (vocalists only)	1 credit*
MUS 140	Singers' Phonetics (vocalists only)	1 credit
MUS 170F	Ensemble ³	7 credits+
MUS 201F, 202F	Primary Instrument ¹	3,3 credits*
MUS 206, 207	Harmony 3, 4	2,2 credits*
MUS 216, 217	Solfege 3, 4	2,2 credits*
MUS 221I	Listening to Musics of the World	2 credits
MUS 222I	Music History & Literature 1	3 credits*
MUS 230	Classroom Instruments	1 credit**^
MUS 231	Brass Class (vocalists take Brass OR Woodwinds)	2 credits**^
MUS 232	Woodwind Class	2 credits**^
MUS 233	Strings Class	2 credits**^
MUS 234	Percussion Class (vocalists take 1)	1/2 credits**^
MUS 235	General Music Methods	3 credits**^
MUS 291	Intro to Conducting	2 credits
MUS 292 or 293	Vocal or Instrumental Conducting	2 credits*
MUS 301F, 302F	Primary Instrument ¹	3,3 credits*
MUS 306	Form & Analysis 1	2 credits*
MUS 321I, 322I	Music History & Literature 2, 3	3,3 credits*
MUS 331	Choral Music Methods	3 credits**^
MUS 332	Instrumental Music Methods	3 credits**^
MUS 401F	Primary Instrument ¹	3 credits*
MUS 403	Partial Senior Recital	0.5 credit\$
MUS ELE	Music Electives	3 credits

Minimum Liberal Arts Credits Required: 28

ENG	131	Workshop in Exposition and Argument	3 credits+ [^]
MTH	136 or higher	Applied College Mathematics	3 credits+
LAS	200	Enduring Questions for an Intercultural World	3 credits+
		Laboratory Science	4 credits
PSY	110	Principles of Psychology	4 credits [^]
PSY	205	Developmental Psychology	3 credits* [^]
CAS	112	Presentational Speaking	3 credits [^]
HPE		Health and Physical Education	2 credits
		Liberal Arts and Sciences electives ⁴	3 credits

Minimum Education Credits Required: 19

EDU	102	Introductory Field Experience	0 credits* [^]
EDU	103D	Education of Children with Special Needs	2 credits* [^]
EDU	201	Teaching Strategies and Management Skills	3 credits* [^]
EDU	340	Assessment of Teaching and Learning	2 credits* [^]
EDU	491	Clinical Practice	9 credits* [^]
EDU	492	Senior Capstone Seminar ⁵	3 credits [^]

¹ Three credits per semester for 7 semesters. Students may elect an additional semester of study during the Student Teaching semester and may elect the S/U option during this semester

² Secondary instrument is piano until Proficiency 4 is achieved. A student teaching placement will be assigned only after completion of Proficiency 4. 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. Secondary instrument for pianists is organ, harpsichord, voice, or an orchestral instrument.

³ One credit per semester for 7 semesters. With the approval of the department, students may elect to participate in an ensemble during the Student Teaching semester.

⁴ Ten credits from any area(s) of the Humanities, Natural Sciences, and/or Social Sciences; see www.bw.edu/resources/registration/info/core for more information, and for more information about ENG, MTH, LAS, and HPE requirements. Please note that specific College core requirements for Humanities, Social Science, Natural Science courses, and a minor field of study do not apply to music majors.

⁵ Must be taken concurrently with Clinical Practice

BA with Major in Music

Computer Code: MULA

These majors are designed for students who are pursuing music study within a full liberal arts curriculum. No more than 60 credits with a MUS-prefix may be applied to the 124 minimum credits required for completion of a BA degree.

Minimum Music Credits Required: 41

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS 001	Performance Attendance (6 semesters)	0 credit
MUS 002	Departmental Recital ¹	0 credit
MUS 101F, 102F	Primary Instrument ²	2,2 credits+
MUS	Secondary Instrument ³	2 credits+
MUS 106, 107	Harmony 1, 2	2,2 credits+
MUS 116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS 170F	Ensemble ⁴	4 credits+
MUS 201F, 202F	Primary Instrument ²	2,2 credits*
MUS 206, 207	Harmony 3, 4	2,2 credits*
MUS 216, 217	Solfege 3, 4	2,2 credits*
MUS 221I	Listening to Musics of the World	2 credits
MUS 222I	Music History & Literature 1	3 credits*
MUS 321I, 322I	Music History & Literature 2, 3	3,3 credits*

¹ Mandatory during semesters of private study enrollment.

² Two credits per semester for 4 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. Private secondary study beyond 2 semesters requires an additional fee.

⁴ One credit per semester for 4 semesters.

Jazz Emphasis

Minimum Credits Required: 14

This emphasis can be added to any BM, BME or BA Music degree

MUS 171F SO3	Jazz Ensemble ¹	4 credits
MUS 171F SO4	Jazz Combo ¹	4 credits
MUS 212	Jazz Improvisation	2 credits
MUS 213	Jazz Arranging/Composition	2 credits
MUS 228FD	History of Jazz	2 credits

¹ One credit per semester for four semesters.

Music Minor

Minimum Credits Required: 21

(* = Prerequisite Required, + = Placement Prerequisite, \$ = Approval Required)

MUS	001	Performance Attendance (2 semesters)	0 credits
MUL/MUS		Applied Study ¹	4 credits
MUS	106, 107	Harmony 1, 2	2,2 credits+
MUS	116, 117	Solfege/Eurhythmics 1, 2	2,2 credits+
MUS	170F	Ensemble ²	2 credits+
MUS	221I	Listening to Musics of the World	2 credits
MUS	222I, 321I, or 322I	Music History & Literature 1,2 or 3	3 credits*
MUL/MUS	ELE	Music Electives	2 credits

¹ May include MUL 131F (Guitar Class), MUL 135F, 136F (Voice Class 1,2), MUL 137F (Beginning Piano Class), and/or MUL 138F (Intermediate Piano Class). Private lessons for an additional fee available only by audition as staffing permits.

² 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 MUS course selections and substitutions must have the approval of the Conservatory Assistant Director.

Music Minor with Emphasis in Arts Management

This minor is designed specifically for students pursuing the Arts Management Program.

Minimum Credits Required: 17

Required Courses:

MUS	001	Performance Attendance (4 semesters)	0 credit
MUS	101F-202F	Primary Instrument ¹	4 credits
MUS	170F	Ensembles ²	4 credits
MUL	174F	Styles: Romantic & 20 th Century	3 credits
MUS	ELE	Music electives	4 credits

and one of the following:

MUL	173F	Styles: Baroque & Classical	3 credits
MUL	178IF	World Music	3 credits
MUL	228FD	Jazz History	2 credits

¹ Audition required. Additional Applied Study fee will be required for program participants who are not music majors. Private lessons may not be available due to staffing. For students without the background to study privately with a teacher and those for whom studio space is not available MUL 131F, 132F (Guitar Class I and II), MUL 135F, 136F (Voice Class I and II), MUL 137F, 138F (Piano Class I and II) may be used to satisfy this requirement.

² Audition required. It is strongly recommended that students who participate in ensemble concurrently take applied lessons on their instrument.

Conservatory Outreach Department

The Conservatory Outreach Department is a non-degree-granting branch of the Conservatory that offers quality arts education to college students and members of the community. Students at 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, guitar and piano; **MusicPlay** for infants, toddlers and their caregivers; **Dalcroze Eurhythmics** for children ages 3-8; **Musical Kaleidoscope** for children with special needs; **Youth Orchestras**; **Honors Chorales**; **Triple Threat Music Theatre** program; **Youth Percussion Ensemble**; **String Chamber Music Ensembles**; **New Horizons** music programs for adults including three concert bands, jazz band, beginning classes in violin, viola and cello and chamber music ensembles; and **Private Lessons** in voice, most instruments, theory, composition and music technology. Conservatory Outreach faculty include members of the Conservatory faculty, adjunct faculty, and student teachers who have successfully completed pedagogy requirements. The Conservatory Outreach calendar is based on the academic year and consists of two semesters (fall and spring) and a flexible summer session. The Conservatory Outreach department 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 the Conservatory Outreach Department at 440/826-2365, conreach@bw.edu or www.bw.edu/conservatoryoutreach.

Music Course Descriptions

Music in the Liberal Arts

MUL courses are designed for non-music majors and require no previous musical experience or prerequisites except as indicated below. Private lessons for non-music majors are available for an additional tuition fee as staffing permits. Auditions are required. See MUS 101F-102F. Participation in Conservatory ensembles is encouraged. Audition required. See MUS 170F, 171F.

MUL 131F GUITAR CLASS One 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. Offered fall and spring semesters.

MUL 132F INTERMEDIATE GUITAR CLASS One credit hour

Prerequisite: MUL 131F or consent of instructor

Class instruction to further develop technique and broaden styles introduced in MUS 131F. Barre chords, note reading, accompaniment of singing, playing by ear, transposition, and finger picking are among topics for study. Offered spring semester; may not be offered every year.

MUL 135F VOICE CLASS One 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. Offered fall and spring semesters.

MUL 136F INTERMEDIATE VOICE CLASS One credit hour

Prerequisite: MUL 135F or consent of instructor

Class instruction to further develop technique introduced in MUL 135F. Continued emphasis on development of individual singing skills. Offered spring semester.

MUL 137F PIANO CLASS One credit hour

Piano for non-music majors who have had little or no piano experience. Offered fall and spring semesters.

MUL 138F INTERMEDIATE PIANO CLASS One credit hour

Prerequisite: MUL 137F or consent of instructor

Class instruction to further the development of technical and musical skills introduced in MUL 137F. Includes playing in major and minor keys, sight-reading, improvisation, harmonization, and appropriate technical studies and literature. Offered spring semester; may not be offered every year.

MUL 171IF THE ART OF LISTENING TO MUSIC Two credit hours

An introductory course designed for the non-music major, with the goal of becoming familiar with representative masterpieces of classical music. Offered fall and spring semesters.

MUL 172F MUSIC APPRECIATION Three 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. Offered fall and spring semesters.

**MUL 173F MUSICAL STYLES I:
BAROQUE & CLASSICAL MUSIC Three credit hours**

A survey of the music and composers of the Baroque and Classical style periods with an emphasis on identification of characteristic stylistic elements and modern programming of these works. May not be offered every year.

**MUL 174F MUSICAL STYLES II:
ROMANTIC & 20TH CENTURY MUSIC Three credit hours**

A survey of the music and composers of the Romantic and 20th Century style periods with an emphasis on identification of characteristic stylistic elements and modern programming of these works. May not be offered every year.

MUL 178IF WORLD MUSIC Three 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. May not be offered every year.

**MUL 192 MUSIC IN THE EARLY CHILDHOOD
CLASSROOM Three credit hours**

Required of all elementary education majors. May not be applied to the humanities requirement. Students will develop strategies for teaching music to children who are three through eight years of age. Classroom time will be spent exploring child development, learning a wide range of repertoire, and finding developmentally appropriate ways to help young children be expressive with music. Supervised clinical and field experiences and/or lab class required. Offered fall and spring semesters.

MUL 212F JAZZ IMPROVISATION Two credit hours

Development of basic improvisational skills. Some performance background necessary. Offered spring semester.

MUL 228FD JAZZ HISTORY Two credit hours

A survey of jazz from its origins through Dixieland and Ragtime to the present. Offered fall semester.

MUL 417 ELECTRONIC MUSIC Two 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. May not be offered every year.

Music as Conservatory Study

MUS courses are designed for music majors and minors only, with the exception of MUS 170F Major Ensembles and MUS 171F Elective Ensembles. Non-music majors may enroll in other MUS courses only by consent of the Conservatory Assistant Director.

MUS 001 PERFORMANCE ATTENDANCE *Zero credit hours*
Attendance of a minimum number of performances each semester. See individual program requirements.

MUS 002 DEPARTMENTAL RECITAL *Zero credit hours*
Attendance of scheduled departmental recitals. See individual program requirements.

MUS 050 INDEPENDENT STUDY *Credit hours to be arranged*
See [Independent Study Program, Section II](#)

MUS 070 INTERNSHIP *Credit hours to be arranged*
See [Internship Program, Section II](#)

MUS 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*
See [FSC Program, Section II](#).

MUS 101F, 102F, 201F, 202F, 301F, 302F, 401F, 402F PRIVATE LESSONS *One to four credit hours*

Prerequisite: Entry-level audition; for subsequent levels- previous level.

Performance studies, available in all orchestral instruments, keyboard instruments, guitar, or voice. Credit hours and repertoire requirements assigned according to student's degree program. All levels offered fall and spring semesters. Core skills addressed include critical thinking and quantitative literacy.

MUS 106,107 HARMONY 1, 2 *Two credit hours each*

Prerequisite for MUS 106 = successful completion of entering placement examinations; for MUS 107 = MUS 106

A comprehensive study of tonal harmony, approached through analysis, part writing, and keyboard exercises. Includes use of computerized notation programs. MUS 106 offered fall semester; MUS 107 offered spring semester.

MUS 111,112 INTRODUCTION TO COMPOSITION 1, 2 *One credit hour each*

Prerequisite: Consent of instructor

An introduction to musical composition, employing the smaller forms in a variety of styles. MUS 111 offered fall semester; MUS 112 offered spring semester.

MUS 116,117 SOLFEGE/EURHYTHMICS 1, 2 *Two credit hours each*

Prerequisite for MUS 116 = successful completion of entering placement examinations; for MUS 117 = MUS 106 and MUS 116

A comprehensive study of musical notation, ear training, sight-singing, and the development of musical memory. Skills developed include reading ability in the various clefs and rhythmic, melodic, and contrapuntal dictation. MUS 116 offered fall semester; MUS 117 offered spring semester.

MUS 130 INTRODUCTION TO MUSIC EDUCATION *One credit hour*

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. Offered fall semester.

- MUS 131F GUITAR CLASS** **One 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. Offered fall and spring semesters.
- MUS 132F INTERMEDIATE GUITAR CLASS** **One credit hour**
Prerequisite: MUS 131F or consent of instructor
 Class instruction to further develop technique and broaden styles introduced in MUS 131F. Barre chords, note reading, accompaniment of singing, playing by ear, transposition, and finger picking are among topics for study. Offered spring semester; may not be offered every year.
- MUS 135 VOICE CLASS** **One 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. Offered fall semester.
- MUS 136 GROUP VOCAL TECHNIQUES** **One credit hour**
Prerequisite: MUS 135 or MUS 140
 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. Offered spring semester.
- MUS 137,138 KEYBOARD MUSICIANSHIP 1, 2** **One credit hour each**
Prerequisite for MUS 138 = MUS 137
 Class instruction in sight-reading and other basic keyboard skills for the non-piano music major. Open to music majors only. MUS 137 offered fall semester; MUS 138 offered fall and spring semesters.
- MUS 140 SINGERS' PHONETICS** **One credit hour**
 The study of the International Phonetic Alphabet applied to singing in English, Italian, French and German. Offered fall semester.
- MUS 141 SINGERS' DICTION1** **One credit hour**
Prerequisite: MUS 140
 Continued development of the skills acquired in MUS 140, with specialized work in English and Italian. Offered spring semester.
- MUS 145 MUSIC THEATRE WORKSHOP 1:
 FUNDAMENTALS OF STAGE
 PERFORMANCE** **One credit hour**
 An intensive introduction to techniques for acting for the stage, with a specific objective of creating a language and style for Music Theatre Performance. The fundamental principles of action--objective and obstacle, the idea of given circumstances, and non-contemporary, hyper-realistic performance choices are explored.
- MUS 146 MUSIC THEATRE WORKSHOP 2:
 INTRO TO MUSIC THEATRE
 TECHNIQUES** **One credit hour**
Prerequisite: MUS 145 or consent of instructor
 Application of fundamental skills acquired in the first semester to the performance of Music Theatre repertoire. Song interpretation, self-presentation, and specific performance choices are explored.
- MUS 147 OPERA WORKSHOP 1** **One credit hour**
 Fundamental aspects of the craft of acting for the stage are introduced and applied to practical acting assignments. Special emphasis placed on developing a physical understanding of how to use the performance space. The semester will culminate in a fully staged program of scenes.

- MUS 213F JAZZ ARRANGING/COMPOSITION Two 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. Offered in alternate years.
- MUS 216, 217 SOLFEGE 3, 4 Two credit hours each**
Prerequisite for MUS 216 = MUS 107 and MUS 117; for MUS 217 = MUS 206 and MUS 216
 A continuation of MUS 117. Dictation includes four-part counterpoint. The final segment emphasizes 20th century techniques. MUS 216 offered fall semester; MUS 217 offered spring semester.
- MUS 221I LISTENING TO MUSICS OF THE WORLD Two credit hours**
Prerequisite: Music majors and minors only
 The art of listening through an introduction to the music of Western and non-Western cultures. Study includes music from the people of Africa, Asia, Australia, Europe, North and South America, the Caribbean, and the Middle East. The study of timbre, rhythm, form, and melody is used to develop and refine the listening skills of class participants. Offered fall and spring semesters.
- MUS 222I MUSIC HISTORY & LITERATURE 1
 Music of the Medieval and Renaissance Eras Three credit hours**
Prerequisite: MUS 221I or the ability to read music and consent of instructor
 A study of stylistic developments and representative masterworks of the Medieval and Renaissance eras in the Western world. Music is studied in its cultural and historical contexts. Includes significant listening, score study, and written work. Offered fall and spring semesters.
- MUS 228FD HISTORY OF JAZZ Two credit hours**
 A survey of jazz from its origins through Dixieland and Ragtime to the present. Offered fall semester.
- MUS 230 CLASSROOM INSTRUMENTS One credit hour**
Prerequisite: MUS 130; PSY 110, 205; EDU 103D
 Class instruction in guitar, lap dulcimer, autoharp, 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. Offered fall semester.
- MUS 231 BRASS CLASS Two credit hours**
 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. Offered spring semester.
- MUS 232 WOODWIND CLASS Two credit hours**
 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. Offered fall semester.
- MUS 233 STRING CLASS Two credit hours**
 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. Offered fall and spring semesters.
- MUS 234 PERCUSSION CLASS One or two credit hours**
 Class instruction in percussion instruments, with emphasis on the development of individual playing skills and the understanding of pedagogical techniques and materials. Supervised clinical and field experiences and lab class required. Vocal-emphasis music education majors enroll for one credit hour. Offered in spring semester for music education; Offered in alternate years for music therapy majors.

- MUS 251 RECREATIONAL MUSIC: PROGRAMMING AND LEADERSHIP** *Two credit hours*
Prerequisite: MUS 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. Offered fall semester.
- MUS 252 MUSIC THERAPY PRACTICUM** *One credit hour*
Prerequisite: MUS 151 or consent of instructor
 Experiences working in a community agency, each experience including a musical and behavioral assessment of the group or individual, the development and implementation of ongoing treatment procedures and evaluation. May be repeated for credit; a minimum of three practica required. Offered fall and spring semesters.
- MUS 260 INSTRUMENTAL PEDAGOGY: STRINGS** *Two credit hour*
 Development of pedagogical techniques in the principal performing area. Opportunities for teaching experiences provided. May not be offered every year.
- MUS 263 SEMINAR** *Variable credit*
 Specialized treatment of particular subjects. May not be offered every year.
- MUS 270 CHAMBER MUSIC** *One credit hour*
 Rehearsal and performance of chamber music under faculty guidance. May be repeated for credit. Offered fall and spring semesters.
- MUS 281, 282 PIANO PEDAGOGY 1, 2** *Two credit hours each*
Prerequisite for MUS 282 = MUS 281
 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. Offered in alternate years.
- MUS 283 COLLABORATIVE PIANO** *One 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. Offered fall and spring semesters.
- MUS 291 INTRODUCTION TO CONDUCTING** *Two credit hours*
 Fundamental techniques of choral and instrumental conducting, including basic beat patterns, preparatory motions, cues, and releases. Offered fall and spring semesters.
- MUS 292 CHORAL CONDUCTING** *Two credit hours*
Prerequisite: MUS 291
 Intermediate conducting techniques specific to choral conducting. Offered spring semester.
- MUS 293 INSTRUMENTAL CONDUCTING** *Two credit hours*
Prerequisite: MUS 291
 Intermediate conducting techniques specific to instrumental conducting. Offered fall and spring semesters.
- MUS 303 PARTIAL JUNIOR RECITAL** *One-half credit hour*
Prerequisite: 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. Offered fall and spring semesters.

MUS 306, 307 FORM AND ANALYSIS**Two credit hours each**

Prerequisite for MUS 306 = MUS 207 or consent of instructor. For MUS 307 = MUS 306

Study of the motive, phrase, period, binary and ternary forms, sectional and continuous variations, sonata form, rondo and sonata-rondo, fugue, and free design. Emphasis on the historical development of these forms. The final segment focuses on analysis of the structure, function, and interrelations of all musical components. MUS 306 offered fall semester; MUS 307 offered spring semester.

MUS 308 EIGHTEENTH-CENTURY COUNTERPOINT**Two credit hours**

Prerequisite: MUS 207

A systematic study of important contrapuntal techniques of the 18th century. Offered fall and spring semesters.

MUS 311, 312 COMPOSITION**Three credit hours each**

Prerequisite for MUS 311 = MUS 112; for MUS 312 = MUS 311

Development of compositional skills through work with traditional and 20th century styles in both small and large forms and for various media. May be repeated for credit. MUS 311 offered in fall semester; MUS 312 offered in spring semester.

MUS 313,314 ORCHESTRATION 1,2**Two credit hours and one credit hour respectively**

Prerequisite for MUS 314 = MUS 313

An introduction to the instruments of the modern symphonic orchestra and study of basic scoring methods. In the second semester, advanced orchestration techniques and study of scoring in different stylistic periods. Applied scoring and preparation of score and parts required. MUS 313 offered in fall semester; MUS 314 offered in spring semester.

MUS 315 ARRANGING**One credit hour**

Prerequisite: MUS 207, 217

Development of skills in organizing technical and expressive musical elements. Focus on arranging music for a variety of vocal and instrumental ensembles of differing levels of ability. May not be offered every year.

MUS 316, 317 ADVANCED KEYBOARD MUSICIANSHIP 1, 2**One credit hour each**

Prerequisite: Successful completion of Jury 4 proficiency exam

The study of three and four part figured bass, melody harmonization, and score reading at the keyboard. May not be offered every year.

MUS 318 CREATING MUSIC**One credit hour**

Prerequisite: MUS 207, 217

The development of functional skills in improvisation, composition, instrumentation, and arranging for use in educational, liturgical, and other community-based settings. May not be offered every year.

MUSIC HISTORY & LITERATURE 2**MUS 3211 Music of the Baroque and the Classical Eras Three credit hours**

Prerequisite: MUS 2211 or the ability to read music and consent of instructor

A study of stylistic developments and representative masterworks of the Baroque and Classical eras in the Western world. Music is studied in its cultural and historical contexts. Includes significant listening, score study, and written work. Offered fall and spring semesters.

MUSIC HISTORY & LITERATURE 3

MUS 3221 Music of the Romantic Era and the 20th Century *Three credit hours*

Prerequisite: MUS 2211 or the ability to read music and consent of instructor

A study of stylistic developments and representative masterworks of the Romantic era and the 20th century in the Western world. Music is studied in its cultural and historical contexts. Includes significant listening, score study, and written work. Offered fall and spring semesters.

MUS 325 INTRODUCTION TO RESEARCH IN MUSIC *One 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 the senior project by developing a prospectus of their paper. Offered spring semester.

MUS 326 HISTORY OF AMERICAN MUSIC *Two 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. May not be offered every year.

MUS 3271 HISTORY OF OPERA *Two credit hours*

An examination of opera from its origins in the 17th century to the present. Offered fall semester.

MUS 331 CHORAL MUSIC METHODS *Three credit hours*

Prerequisites: EDU 201; MUS 235; PSY 205

The study of methods and materials for teaching instrumental 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 experiences, 15 hours of field experiences, and lab class required. Offered fall semester.

MUS 332 INSTRUMENTAL MUSIC METHODS *Three credit hours*

Prerequisites: EDU 201; MUS 235; 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 late-adolescent development, curriculum and planning, repertoire, arranging, improvisation, and technology. 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 experiences, 15 hours of field experiences, and lab class required. Offered spring semester.

MUS 335 CHOREOGRAPHY FOR THE MUSIC EDUCATOR *One credit hour*

Prerequisites: HPE 141W - any basic level dance class

Basic choreography and stage techniques, including spatial design, using age-appropriate dance skills for age three through grade 12. May not be offered every year.

MUS 336 MARCHING BAND TECHNIQUES *One 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. May not be offered every year.

- MUS 337 LISTENING PEDAGOGY One credit hour**
Prerequisite: PSY 205 or consent of instructor
 Approaches to developing listening skills with elementary and secondary school students. Emphasis on guiding student attention to individual musical ideas and on sustaining listeners attention throughout entire works. May not be offered every year.
- MUS 338 MULTICULTURAL MUSIC EDUCATION One credit hour**
Prerequisite: First-year theory sequence and MUS 221
 Content includes: social-economic and historical background of different cultures, the connections between cultures and music, making musical instruments, the use of folk and traditional musical activities across diverse populations. Supervised clinical and field experiences required. May not be offered every year.
- MUS 342, 343 VOCAL LITERATURE 1, 2 Two credit hours each**
 Study of vocal recital literature, focusing on the Lied, French melodie, and British and American art song. Some Russian and Czech literature included. Courses alternate in the spring semester.
- MUS 345 MUSIC THEATRE WORKSHOP 5: ADVANCED SCENE WORK/ NEW SONGWRITER'S SHOWCASE One credit hour**
Prerequisite: MUS 246 or consent of instructor
 Study of advanced music theatre repertoire in a scene work context; rehearsal and performance of a showcase of new unpublished work written for Music Theatre by emerging composers.
- MUS 346 MUSIC THEATRE WORKSHOP 6: ADVANCED ACTING FOR MUSIC THEATRE One credit hour**
Prerequisite: MUS 345 or consent of instructor
 Study of commercial acting techniques including on-camera and ear-prompter. Rehearsal and performance of advanced monologue and scene material.
- MUS 347 OPERA WORKSHOP 5 One credit hour**
Prerequisite: MUS 248 or consent of instructor
 An introduction to the 17th and 18th Century operatic styles of presentation, acting techniques and historical sources unique this period of opera. Techniques and process of historically accurate character building audition techniques and age appropriate aspects of the business of opera such as Young artist/ summer programs, job searching, professional contacts and building strong collegial relationships will be explored. The course will culminate with a public opera scenes performance.
- MUS 348 OPERA WORKSHOP 6 One credit hour**
Prerequisite: MUS 347 or consent of instructor
 Same content as above with focus on the operatic styles of presentation, acting techniques and historical sources unique to the 19th and 20th centuries.
- MUS 351 MUSIC THERAPY IN PSYCHIATRY AND REHABILITATION Three credit hours**
Prerequisite: MUS 151 or consent of instructor
 Clinical methods as they relate to working with psychiatric, geriatric, medical, neurologically impaired, and addicted clients. Offered fall semester.
- MUS 352 MUSIC THERAPY WITH THE DEVELOPMENTALLY DISABLED Three credit hours**
Prerequisite: MUS 151 or consent of instructor
 Clinical practice as it relates to working with mentally retarded, autistic, sensory-impaired, physically challenged, and learning-disabled clients. Offered in alternate years.
- MUS 353 PROGRAM DEVELOPMENT AND ADMINISTRATION IN MUSIC THERAPY Two credit hours**
Prerequisite: MUS 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. Offered in alternate years.

MUS 363 SEMINAR Variable credit

Specialized treatment of particular subjects. May not be offered every year.

MUS 381, 382 PIANO LITERATURE 1, 2 Two credit hours each

A survey of keyboard literature from Elizabethan times to the present. Offered in alternate years.

**MUS 385 PREPARATION FOR THE CHURCH
MUSICIAN Two credit hours**

Prerequisite: 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. May not be offered every year.

MUS 403 PARTIAL SENIOR RECITAL One-half credit hour

Prerequisite: 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. Offered fall and spring semesters.

MUS 404 FULL SENIOR RECITAL One credit hour

Prerequisite: 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. Offered fall and spring semesters.

MUS 405 LECTURE PRESENTATION One credit hour

Prerequisite: Approval of department

Preparation and performance of a lecture program at the senior level. Subject chosen to correspond with required Senior Research Project in Music Theory or Music History and Literature. Offered fall and spring semesters.

**MUS 408 SIXTEENTH-CENTURY
COUNTERPOINT Two credit hours**

Prerequisite: MUS 207 and MUS 221

A systematic study concentrating on music of Palestrina and his contemporaries. Offered in alternate years.

MUS 411 CONTEMPORARY NOTATION Two credit hours

Prerequisite: MUS 207 or the consent of instructor

The study of new notational devices and problems of score preparation. May not be offered every year.

MUS 413 STRUCTURE AND INTERPRETATION Two credit hours

Prerequisite: MUS 307 or the consent of instructor

Structural analysis as applied to musical expression. Study of ways the structure of music informs its interpretation and performance. May not be offered every year.

**MUS 415 TECHNIQUES OF SERIAL
COMPOSITION Two credit hours**

Prerequisite: MUS 207

Written and analytical skills in twelve-tone composition, with special emphasis on the contributions of Schoenberg, Berg, Webern, and Babbitt. May not be offered every year.

MUS 416 LAYER ANALYSIS Two credit hours

Prerequisite: MUS 307

Techniques of analysis presented according to the principles of Schenker, Salzer, and Cogan. May not be offered every year.

- MUS 417 ELECTRONIC MUSIC Two 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. May not be offered every year.
- MUS 418 SENIOR RESEARCH IN MUSIC THEORY 1 One credit hour**
- MUS 419 SENIOR RESEARCH IN MUSIC THEORY 2 One 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. First semester: Completion of majority of research. Second semester: Completion of major paper in compliance with departmental requirements.
- MUS 421 SPECIAL STUDIES IN RENAISSANCE MUSIC Two credit hours**
Prerequisite: MUS 2221 or consent of instructor
 Topics to be selected. May not be offered every year.
- MUS 422 SPECIAL STUDIES IN BAROQUE MUSIC Two credit hours**
Prerequisite: MUS 3211 or consent of instructor
 Topics to be selected. May not be offered every year.
- MUS 423 SPECIAL STUDIES IN THE MUSIC OF J.S. BACH Two credit hours**
Prerequisite: Consent of instructor
 Divided into minimesters. First minimester includes study of works to be performed in the annual Bach Festival and may be repeated for credit. Second minimester undertakes a study of Bach and his world and may not be repeated for credit. May not be offered every year.
- MUS 424 SPECIAL STUDIES IN 18th CENTURY CLASSICISM Two credit hours**
Prerequisite: MUS 3211 or consent of instructor
 Topics to be selected. May not be offered every year.
- MUS 425 SPECIAL STUDIES IN 19th CENTURY MUSIC Two credit hours**
Prerequisite: MUS 3221 or consent of instructor
 Topics to be selected. May not be offered every year.
- MUS 426 SPECIAL STUDIES IN 20th CENTURY MUSIC Two credit hours**
Prerequisite: MUS 3221 or consent of instructor
 Topics to be selected. May not be offered every year.
- MUS 428 SENIOR RESEARCH IN MUSIC HISTORY 1 One credit hour**
- MUS 429 SENIOR RESEARCH IN MUSIC HISTORY 2 One credit hour**
 In-depth analysis and supporting research of a major work, composer, or style period. Use of several analytical approaches expected. First semester: Completion of majority of research. Second semester: Completion of major paper in compliance with departmental requirements.
- MUS 438 RESEARCH IN MUSIC EDUCATION One credit hour**
 Study of basic materials and techniques in quantitative and qualitative research methodologies. May not be offered every year.
- MUS 442,443 VOCAL PEDAGOGY 1,2 Two credit hours and one credit hour respectively**
Prerequisite for MUS 443 = MUS 442
 The study of technical functions of singing, combining historical pedagogy with current research

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.

Direct all questions related to the Neuroscience major or minor to Dr. G. Andrew Mickley, Director of the Neuroscience Program, Malicky Center for the Social Sciences.

Neuroscience Major

Computer Code: NEUB/NEUC/NEUP

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. Neuroscience majors will receive a B.S. degree. Consistent with the College'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.

Additional Required Courses for Biology Majors (Minimum 29 Hours Required)

BIO/PSY	250	Principles of Neuroscience	3 credits
PSY/BIO	303	Physiological Psychology	4 credits
BIO	333	Human Physiology	4 credits
PSY	279	Elements of Statistics	4 credits
PSY	280	Research Methods I	3 credits
NRO	350	Neuropharmacology	3 credits
NRO	491,492,493	Neuroscience Thesis/Project	4 or more credits

ONE (1) of the following courses:

PSY	327	Psychology of Learning	4 credits
PSY	328	Cognitive Processes	4 credits
PSY	329	Sensation and Perception	4 credits

Additional Required Courses for Chemistry Majors (Minimum 29 Hours Required)

BIO/PSY	250	Principles of Neuroscience	3 credits
PSY/BIO	303	Physiological Psychology	4 credits
BIO	203L	Anatomy and Physiology I OR	4 credits

BIO	333	Human Physiology	4 credits
PSY	279	Elements of Statistics	4 credits
PSY	280	Research Methods I	3 credits
NRO	350	Neuropharmacology	3 credits
NRO	491,492,493	Neuroscience Thesis/Project	4 or more credits

ONE (1) of the following courses:

PSY	327	Psychology of Learning	4 credits
PSY	328	Cognitive Processes	4 credits
PSY	329	Sensation and Perception	4 credits

Additional Required Courses for Psychology Majors (Minimum 27 Hours Required)

BIO/PSY	250	Principles of Neuroscience	3 credits
PSY/BIO	303	Physiological Psychology	4 credits
BIO	203L	Anatomy and Physiology I OR	4 credits
BIO	333	Human Physiology	4 credits
CHM	111	General Chemistry I	4 credits
CHM	111L	General Chemistry I Lab	0.5 credits
CHM	112	General Chemistry II	4 credits
CHM	112L	General Chemistry II Lab	0.5 credits
NRO	350	Neuropharmacology	3 credits
NRO	491,492,493	Neuroscience Thesis/Project	4 or more credits

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	121L	Principles of Biology I	4 credits
BIO	203L	Anatomy and Physiology I	4 credits
BIO	204L	Anatomy and Physiology II OR	3 credits
BIO	330	Gross Anatomy	4 credits
BIO	211	Genetics	4 credits
BIO	212	Microbiology	4 credits
BIO	221	General Zoology	3 credits
BIO	310	Evolution	4 credits
BIO	331	Developmental Biology	4 credits

BIO	332	Histology	3 credits
BIO	333	Human Physiology	4 credits
BIO	336	Molecular Biology	4 credits
BIO	341	Immunology	4 credits

CHEMISTRY

CHM	251	Organic Chemistry I+Lab	4.5 credits
CHM	252	Organic Chemistry II+Lab	5 credits
CHM	311	Biochemistry + Lab	4 credits
CHM	321	Instrumental Analysis + Lab	4 credits
CHM	351	Organic Spectroscopy	2 credits

MATH/COMPUTER SCIENCE

CSC	121	Technological Literacy for Today's World	3 credits
MTH	140	Precalculus Mathematics	4 credits
MTH	141	Calculus I	4 credits
MTH	142	Calculus II	4 credits

PSYCHOLOGY

PSY	281	Thesis in Psychology	3 credits
PSY	302	Abnormal Psychology	4 credits
PSY	327	Psychology of Learning	4 credits
PSY	328	Cognitive Processes	4 credits
PSY	329	Sensation and Perception	4 credits
PSY	261,461,463	Special Topic Seminars (Relevant to Neuroscience)	3 credits

SOCIOLOGY

SOC	281	SPSS	4 credits
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Minor in Neuroscience

Baldwin-Wallace College 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 21 credit hours

Required Courses (students must take all of these 11 credit hours. Note: required courses taken cannot also be used as electives.)

BIO/PSY	250	Principles of Neuroscience	3 credits
PSY/BIO	303	Physiological Psychology	4 credits

BIO	203L	Anatomy and Physiology I OR	4 credits
BIO	333	Human Physiology	4 credits

Electives (In addition to the required courses above, students must take any 3 of the courses listed below. **Note:** Students must take **at least one** course from Biology **or** Chemistry **and one** from Psychology.)

BIO	203L	Anatomy and Physiology I	4 credits
BIO	204L	Anatomy and Physiology II	3 credits
BIO	331	Developmental Biology	4 credits
BIO	333	Human Physiology	4 credits
BIO	341	Immunology	4 credits
BIO	405	Advanced Topics in Biology (Relevant to Neuroscience)	3-4 credits
BIO	050	Independent Study (Relevant to Neuroscience)	3-4 credits
CHM	311	Biochemistry + Lab	4 credits
CHM	050	Independent Study (Relevant to Neuroscience)	3-4 credits
PSY	261,262,263	Special Topics Seminars (Relevant to Neuroscience)	3 credits
PSY	280	Research Methods I	3 credits
PSY	281	Thesis in Psychology	3 credits
PSY	327	Psychology of Learning	4 credits
PSY	328	Cognitive Processes	4 credits
PSY	329	Sensation and Perception	4 credits
PSY	461,462,463	Seminar(Relevant to Neuroscience)	3 credits
PSY	050	Independent Study(Relevant to Neuroscience)	3-4 credits

Notes:

1. On a case-by-case basis, the Director of the Neuroscience Program will judge the Neuroscience relevance of the special topics, seminars and independent studies listed above. After an analysis of the course history of an individual student, the Director (in consultation with the Chair of the Psychology Department) may waive the prerequisites for the above Psychology courses for students pursuing the Minor.

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.

Neuroscience Course Descriptions

NRO 050

INDEPENDENT STUDY

Credit hours to be arranged

See [Independent Study Program, Section II.](#)

NRO 070 INTERNSHIP *Credit hours to be arranged*

See [Internship Program, Section II.](#)

NRO 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*

See [FSC Program, Section II.](#)

**PSY/
BIO 250 PRINCIPLES OF NEUROSCIENCE *Three credit hours***

This course may be taken to partially satisfy the core curriculum requirement in either the Social Sciences (PSY 250) or Natural Sciences (BIO 250).

An introduction to the study of the brain and behavior. 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 261,262,263 SPECIAL TOPICS IN NEUROSCIENCE *Three credit hours*

Prerequisites dependent on topic

Seminars reflecting the depth and breadth of Neuroscience are offered periodically.

**BIO/
PSY 303 PHYSIOLOGICAL PSYCHOLOGY *Four credit hours***

Prerequisites: PSY 110 or BIO 121L or BIO 203L or consent of instructor. This course (PSY 303) may be taken to partially satisfy the general curriculum requirement in the Social Sciences.

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.

NRO 350 NEUROPHARMACOLOGY *Three credit hours*

Prerequisites: PSY/BIO 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 461,462,463 ADVANCED TOPICS IN NEUROSCIENCE *Three credit hours*

Prerequisites dependent on topic

Advanced seminars reflecting the depth and breadth of Neuroscience are offered periodically.

NRO 491,492,493 NEUROSCIENCE THESIS *Four or more credit hours*

Prerequisites: PSY/BIO 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; B-W 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.

ORGANIZATIONAL LEADERSHIP

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 limited to employed adults registered in the Evening/Weekend Program.

Organizational Leadership

Computer Code: OGLS

Links to other majors, minors, and certificates:

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. Some certificate programs also mesh well with the OL major: Human Resources, Organizational Development, and Applied Communications.

Prerequisites:

Note: CAS 126 and PSY 110 are required of all Organizational Leadership majors. These courses are to be completed before taking other required courses in that department as indicated below.

Minimum credits required: 31-33 (plus prerequisites as indicated)

Required courses (* = Prerequisite Required)

Leadership Base Component

LDR	201	Introduction to Leadership	3 credits
LDR	202D	Contemporary Leadership Problems	3 credits

Content Component

BUS	305	Introduction to Management	3 credits
BUS	326	Legal Environment of Organizations	3 credits
PSY	321	Human Relations & Group Dynamics	3 credits*
SOC	210	Work Matters: The Sociology of Work & Work Settings	3 credits*

Choose one

SOC	301D	Social Inequalities	3 credits*
CAS	350	Organizational Communication	3 credits*

Statistics (choose one)

PSY	279	Elements of Statistics	4 credits*
ECN	279	Elements of Statistics	4 credits*
MTH	135	Introduction to Probability and Statistics	3 credits*

Data Analysis (choose one)

CSC 141	Advanced Applications for Information Analysis	3 credits
SOC 281	SPSS: Data Analysis	4 credits*

Capstone

OLS 444	Senior Seminar: Int. of Theory and Practice	4 credits*
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Organizational Leadership Course Description

OLS 444 SENIOR SEMINAR: INTEGRATION OF THEORY AND PRACTICE *Four credit hours*

This is the capstone course for Organizational Leadership majors. Students select an internship of 40 hours in a work setting related to personal career goals and to the OL major. The internship experience becomes the central organizing element for a 10 – 20 page paper plus an informative 20 – 30 minute presentation to the class. In both the paper and presentation students are expected to integrate course work in the major and the textbook for the course with the internship.

PHILOSOPHY

The mission statement of Baldwin-Wallace College states that B-W aims at students' intellectual and spiritual growth, and that B-W graduates should be compassionate, contributing global citizens. The Philosophy program at B-W contributes to this goal by fostering critical thinking, intellectual inquisitiveness, sensitivity to ethical complexity, and independent reflection- all of which are necessary to become an engaged citizen and required in virtually any career.

Philosophy literally means "love of wisdom," so concerns of philosophy are broad and interdisciplinary. They range from seeking to understand the methods and foundations of politics, the arts, science, and education, to searching for answers to questions about the meaning of reality, truth, moral values, aesthetic experience, and the human self. Philosophy is therefore a good choice for a second major or minor to compliment a variety of different majors. In addition, as a Core course, philosophy can teach analytic and problem-solving skills that help students to succeed in college and in continuing adult life.

Philosophy is a worthwhile activity simply for the personal enlightenment that it can provide. But the Philosophy program also strives to impart the general skills that are crucial for most professions. Philosophy students learn how to read and understand abstract thinking and sophisticated reasoning. They also learn to think critically, developing their own views and expressing their opinions 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 Level 1 and Level 2 may be used to meet part of the college's Core requirements in Humanities: Cultural Heritage.

Philosophy Major

Computer Code: PHL Y

The philosophy major consists of a minimum of 23 credit hours, at least two of which must be at Level 3. No more than two courses at Level 1 may count toward the major.

Students majoring in philosophy will design a program of courses with the assistance of a philosophy faculty advisor based on the student's interests, academic needs, and future plans. A second major is recommended to compliment the philosophy major. Also, it is recommended that students design an Independent Study and/or a Departmental Thesis to pursue areas of individual interest and to synthesize their philosophical thinking with their second major area of study.

Students majoring in philosophy who intend to pursue graduate study in philosophy are advised to take German and/or French through the level of 102.

Philosophy Minor

A minor in philosophy requires a minimum of 17 credit hours, with no more than two courses at Level 1. The minor program is designed by the student with his or her faculty advisor to meet the student's academic objectives.

Philosophy

Course Descriptions

PHL 050(I)	INDEPENDENT STUDY	One to four credit hours
See Independent Study Program, Section II		
PHL 259,359,459	FACULTY-STUDENT COLLABORATION	Credit hours to be arranged
See FSC Program, Section II .		

LEVEL 1 COURSES

PHL 101	PHILOSOPHICAL QUESTIONS	Three credit hours
An introduction to philosophical reflection and questioning through the examination of some of the central themes of philosophy.		
PHL 102	ETHICS	Three 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 OF HUMAN NATURE	Three 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	Three 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.		

LEVEL 2 COURSES

PHL 201	LOGIC	Three credit hours
<i>Prerequisite: MTH 141</i>		
An introduction to the principles and methods of symbolic logic.		
PHL 205(I)	TOPICS IN ETHICS	Three to four credit hours
A detailed study of a selected topic in ethics, such as Environmental Ethics, 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 207D	TOPICS IN PHILOSOPHY	Three to four 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	Four 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. May be offered less frequently than once a year.		

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, pre-medicine 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 131/132 and PHY 145L/146L 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 B-W with the preparation for an engineering career at an engineering school.

The physics and pre-engineering majors are based on the physics core and the advanced electives.

Physics Core – 34 credits (* = Prerequisite Required)

PHY	131	General Physics I AND	4 credits
PHY	151L	Introductory Physics Lab I OR	1 credits
PHY	145L	Applied College Physics I	5 credits
Either PHY 131 along with 151L or PHY 145L, but not both, may be taken for credit.			
PHY	132	General Physics II AND	4 credits*
PHY	152L	Introductory Physics Lab II OR	1 credits
PHY	146L	Applied College Physics II	5 credits*
Either PHY 132 along with 152L or PHY 146L, but not both, may be taken for credit.			
PHY	233	Modern Physics	4 credits*
PHY	312	Advanced Laboratory	3 credits*

Required courses in areas other than Physics

CHM	111	General Chemistry I	4 credits*
CHM	111L	General Chemistry I Lab	0.5 credits*
CHM	112	General Chemistry II	4 credits*

CHM	112L	General Chemistry II Lab	0.5 credits*
MTH	141	Calculus I	4 credits*
MTH	142	Calculus II	4 credits*

Advanced PHY electives

PHY	312	Advanced Laboratory	3 credits*
PHY	331	Mechanics I	3 credits*
PHY	341	Theoretical Physics	3 credits*
PHY	361	Electromagnetism	4 credits*
PHY	362	Physics of Waves	3 credits*
PHY	371	Thermal Physics	4 credits*
PHY	372	Quantum Physics	3 credits*
PHY	410	Special Topics in Physics (approval required)	3 or 4 credits

Physics Major (B.S.)

Computer Code: PHYS

Minimum required hours: 62-65 credits (plus prerequisites as indicated)

Required Courses (* = Prerequisite Required)

Physics Core			34 credits
PHY	311	Electronic Instrumentation	3 credits*
PHY	312	Advanced Laboratory	3 credits*
PHY-312 Advanced Lab 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; see the department chair in advance.			
MTH	243	Calculus III	4 credits*
MTH	212	Differential Equations	3 credits*
Advanced PHY electives – any five (5)			15-18 credits*

Physics Major (B.A.)

Computer Code: PHYA

Minimum required hours: 47-53 credits (plus prerequisites as indicated)

Required Courses (* = Prerequisite Required)

Physics Core			34 credits
PHY	103	Frontiers in Physics	3 credits*
Advanced PHY electives – any two (2)			6-8 credits*
Additional PHY and AST courses – any two (2)			4-8 credits*

Binary Program in Engineering

The pre-engineering program prepares Baldwin-Wallace students to earn an engineering degree through educational affiliations with the engineering schools of Case Western Reserve University and Columbia University. Upon satisfactory completion of the three-year pre-engineering program at B-W and the last two years of the engineering program at the engineering school, a student receives the Bachelor of Arts degree from B-W 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 B-W, 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 B-W pre-engineering advisor is obtained.*

Physics Based Engineering Areas Major

Computer Code: PREN

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 B-W plus additional credits at the engineering school in which the program is completed.

Required Courses (* = Prerequisite Required)

Physics Core			34 credits
PHY	311	Electronic Instrumentation	3 credits*
MTH	243	Calculus III	4 credits*
MTH	212	Differential Equations	3 credits*
CSC	210	Computer Science I	3 credits*
Advanced PHY electives – any three (3)			9-12 credits*

PHY-312 Advanced Lab 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; see the department chair in advance.

The following courses are recommended as preparation for engineering school but are not required by B-W.

PHY	260	Engineering Materials	2 credits*
PHY	261	Introduction to Statics	2 credits*

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 B-W
- the B-W 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 B-W pre-engineering advisor. For B-W students planning on completing their engineering degree at CWRU, PHY 260 and PHY 261 are especially recommended.

Chemistry Based Engineering Areas Major

Computer Code: PNGC

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 B-W plus additional credits at the engineering school in which the program is completed.

CHM	111	General Chemistry I	4 credits*
CHM	111L	General Chemistry I Lab	0.5 credits*
CHM	112	General Chemistry II	4 credits*
CHM	112L	General Chemistry II Lab	0.5 credits*
PHY	131	General Physics I AND	4 credits
PHY	151L	Introductory Physics Lab I OR	1 credits
PHY	145L	Applied College Physics I	5 credits
Either PHY 131 along with 151L or PHY 145L, but not both, may be taken for credit.			
PHY	132	General Physics II AND	4 credits*
PHY	152L	Introductory Physics Lab II OR	1 credits
PHY	146L	Applied College Physics II	5 credits*
Either PHY 132 along with 152L or PHY 146L, but not both, may be taken for credit.			
MTH	141	Calculus I	4 credits*
MTH	142	Calculus II	4 credits*
MTH	243	Calculus III	4 credits*
MTH	212	Differential Equations	3 credits*
MTH	314	Numerical Analysis	3 credits*
CSC	210	Computer Science I	3 credits*
CHM	221	Quantitative Analysis	3 credits*
CHM	221L	Quantitative Analysis Lab	1 credits*
CHM	251	Organic Chemistry I	4 credits*
CHM	251L	Organic Chemistry I Lab	0.5 credits*
CHM	252	Organic Chemistry II	4 credits*
CHM	252L	Organic Chemistry II Lab	0.5 credits*
CHM	331	Physical Chemistry I	3 credits*
CHM	331L	Physical Chemistry I Lab	0.5 credits*
CHM	332	Physical Chemistry II	3 credits*
CHM	332L	Physical Chemistry II Lab	0.5 credits*

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 B-W
- the B-W 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 B-W pre-engineering advisor.

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: (PHY 131 and 151L or PHY 145L) and (PHY 132 and 152L or PHY 146L) and Modern Physics PHY 233. An additional two (2) more different courses must be selected from the advanced PHY electives.

Students planning teaching careers in the elementary, middle or secondary schools should consult the Division of Education.

Students interested in Environmental Science should see the Environmental Science Minor.

Physics Course Descriptions

PHY 050I	INDEPENDENT STUDY	<i>One to six credit hours</i>
See Independent Study Program, Section II.		
PHY 070	INTERNSHIP	<i>Credit hours to be arranged</i>
See Internship Program, Section II.		
PHY 259,359,459	FACULTY-STUDENT COLLABORATION	<i>Credit hours to be arranged</i>
See FSC Program, Section II.		
PHY 101L	ACOUSTICS	<i>Four credit hours</i>

A lecture-laboratory course providing an introduction to the field of sound with special attention to the areas of speech and music. This course is designed for students not majoring in science and presupposes nothing more than elementary high school mathematics and general science as a background. Science majors interested in the field of sound may find the course interesting on an audit or credit basis. Lab included.

PHY 102	TOPICS IN PHYSICS	<i>Three credit hours</i>
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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. No lab. The topics below are currently being offered on a regular basis.

•Energy and the Future

A survey of current energy resources and possibilities for the future such as solar energy, geothermal energy, tidal energy and energy from nuclear fusion. Attention is paid to methods of energy production efficiency of energy usage, anticipated fuel reserves for various energy sources and the economic, environmental, political, social and aesthetic implications of energy production by various methods.

•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.

•Physics of Weather

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 103 FRONTIERS OF PHYSICS Three 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 105L PHYSICS IN EVERYDAY LIFE Four credit hours

Offered primarily for Evening/Weekend Students; day students only with special permission.

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 college 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.

PHY 106L LIGHT, COLOR, VISION Four credit hours

Offered primarily for Evening/Weekend Students; day students only with special permission.

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 college 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.

PHY 107L SPACE FROM THE GROUND UP Three credit hours

Offered primarily for Evening/Weekend Students; day students only with special permission.

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 college 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.

PHY 131,132 GENERAL PHYSICS I, II Four credit hours each

The student is assumed to have had high school mathematics through algebra and pre-calculus. High school physics and a familiarity with calculus are highly recommended or calculus can be taken concurrently. Except by permission of the instructor, PHY 151L is to be taken concurrently with PHY 131 and PHY 152L 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 145 or both PHY 132 and 146 for credit.

PHY 151L,152L INTRODUCTORY PHYSICS LAB I,II One credit hours each

Except by permission of the instructor, PHY 151L is to be taken concurrently with PHY 131 and PHY 152L to be taken concurrently with PHY 132.

Laboratory to accompany General Physics I and II (PHY 131, 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 151L emphasizes experiments in mechanics (motion, force, energy, etc.) and heat (temperature, heat capacity, latent heat, etc.). PHY 152L 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 152L concentrates on the basic properties of light with experiments in reflection, refraction, simple optical systems, and interference.

PHY 145L,146L APPLIED COLLEGE PHYSICS I,II Five credit hours each

The student is assumed to have had high school mathematics through algebra and pre-calculus. 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 145L or both PHY 132 and 146L 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 150L PHYSICAL SCIENCE INVESTIGATIONS 2 Three credit hours

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-150L. 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 200 SCIENCE One to four 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. PHY 200 is not offered on a regular basis.

PHY 233 MODERN PHYSICS Four credit hours

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. PHY 233 is normally offered every Fall semester.

PHY 260 ENGINEERING MATERIALS Two credit hours

Prerequisite: 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 Two credit hours

Prerequisite: 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, shear, 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 One to four credit hours

Open to all students interested in physics. Not offered on a regular basis.

Reports and discussions of topics of interest in physics.

PHY 311 ELECTRONIC INSTRUMENTATION Three credit hours

Prerequisite: PHY 131, 132 or PHY 145L, 146L, 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. PHY 311 is offered on an alternate year basis.

PHY 312 ADVANCED LABORATORY Three credit hours

Prerequisite: PHY 131, 132 or PHY 145L, 146L, 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.
- Computational Physics: A lab helping students write their own programs to solve problems in physics by numerical methods.
- Special Lab Topics: With prior permission of the instructor, experiments, projects, or research of particular interest to the student may be arranged.

PHY 331 PHYSICAL MECHANICS I Three credit hours
Prerequisite: PHY 131, 132 or PHY 145L, 146L, 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. PHY 331 is offered on an alternate year basis.

PHY 341 THEORETICAL PHYSICS Three credit hours
Prerequisite: PHY 131, 132 or PHY 145L, 146L, one year of calculus, or instructor's permission
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 Four credit hours
Prerequisite: PHY 131, 132 or PHY 145L, 146L, 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, Laplaces equation, and Maxwells equations as time permits.

PHY 362 PHYSICS OF WAVES Three credit hours
Prerequisite: PHY 131, 132 or PHY 145L, 146L, one year of calculus, or instructor's permission
A study of the nature of waves. May include topics from the areas of geometric optics, interference and diffraction phenomena, the production and propagation of electromagnetic and acoustic waves as well as the interaction of light and sound with matter. Spread sheet are used to solve appropriate problems.

PHY 371 THERMAL PHYSICS Four credit hours
Prerequisite: PHY 131, 132 or PHY 145L, 146L, one year of calculus, or instructor's permission
A one-semester lecture course investigating the basic principles and ideas of thermodynamics and statistical mechanic 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 Three credit hours
Prerequisite: PHY 131, 132 or PHY 145L, 146L, 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 One to four credit hours
Offered only if there is sufficient demand. 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.

PHY 491,492 DEPARTMENTAL THESIS/PROJECT Credit hours to be arranged
See [Departmental Thesis/Project, Section II.](#)

POLITICAL SCIENCE

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 on-going 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 College mission statement of preparing students to become "contributing, compassionate citizens of an increasingly global society."

Political Science Major

Computer Code: POLS

Minimum required hours: 35, 15 of which must be taken at Baldwin-Wallace College

Required courses

POL	101	American National Government	4 credits
POL	211I	International Politics	4 credits
POL	221I	Comparative Politics	4 credits
POL	231	Political Theory	4 credits
POL	240	Political Analysis OR	4 credits
POL	241	Public Interest Research	4 credits

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	The Elected Branches	3 credits
POL	302	Political Parties and Pressure Groups	3 credits
POL	303	Public Administration	3 credits
POL	304D	Urban Politics	3 credits
POL	306	Judicial Process	3 credits

POL 307	American Constitutional Law	3 credits
POL 308	Civil Liberties in the United States	3 credits
POL 309	Criminal Law and the Constitution	3 credits
International Politics- any one of the following:		
POL 311I	American Foreign Policy	3 credits
POL 314I	Comparative Foreign Relations	3 credits
POL 315I	International Organization	3 credits
POL 363I	Special Topics	2-3 credits
POL 463I	Special Topics	2-3 credits
Comparative Politics- any one of the following:		
POL 321I	Democracy & Democratization	3 credits
POL 322I	Russia and Eastern Europe	3 credits
POL 326I	Special Comparative Political Studies	2-3 credits
POL 327I	Political Change in Asia	3 credits
POL 329I	Government and Politics in Sub-Saharan Africa	3 credits
Political Theory- any one of the following:		
POL 330	History of Political Philosophy I: Ancient and Medieval	3 credits
POL 331	History of Political Philosophy II: Early Modern and Modern	3 credits
POL 332	American Political Thought	3 credits
POL 333D	Contemporary Political Voices at the Margins	3 credits
POL 339	Special Topics in Political Theory	3 credits
any one (1) additional elective.		

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 101, 211I, 221I, 231, 240/241	8 credits
Two advanced courses at 300-400 level	6 credits
Any two additional courses	6 credits

Students majoring in Business Administration should profitably minor in Political Science. Suggestions for Business students with a minor concentration in public affairs would be 20 hours from:

- Two courses from POL 101, 211I, 221I, 231
- Two advanced courses from 301-309, 311I, 314I, and/or 321I-327I
- Any two additional POL courses

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.

Political Science

Course Descriptions

POL 050(I) INDEPENDENT STUDY *One to four credit hours*
See [Independent Study Program, Section II.](#)

POL 070 INTERNSHIP *Credit hours to be arranged*
See [Internship Program, Section II.](#)

POL 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*
See [FSC Program, Section II.](#)

POL 100I INTRODUCTION TO POLITICAL SCIENCE *Four credit hours*

An introduction to central political concepts including justice, equality, freedom, democracy, and citizenship, and application of them to domestic and international issues. The course seeks to develop the student's ability to analyze domestic and international political issues, and to become contributing, compassionate citizens.

POL 101 AMERICAN NATIONAL GOVERNMENT *Four credit hours*

A study of the federal government; the course describes the development of the Constitution of the United States and the major institutions of politics and government: political parties, pressure groups, the media, the Congress, the Presidency and the courts, as well as the changing concept of federalism and the role of the American states within the national government. Special attention is given to policy formation, particularly relating to budgeting and major issues of the day.

POL 102(I) CONCENTRATION IN POLITICS *One to three 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 202 MAJOR POLICY ISSUES *One to three credit hours*

Recommended background: POL 101

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 203D CIVIL RIGHTS IN THE UNITED STATES I *Three credit hours*

Explores the Civil Rights movement of the immediate past and present in depth, beginning with the "Black Codes" of the American states, discussing the period of Jim Crow and efforts toward equality for African Americans and others, culminating in the Brown v. Topeka desegregation decision.

POL 204D CIVIL RIGHTS IN THE UNITED STATES II *Three credit hours*

Explores the Civil Rights movement of the immediate past and present in depth, beginning with the Brown v. Topeka desegregation decision and present ramifications of that decision, including the Movement actions in Southern and Northern states, affirmative action, "set asides," and other efforts toward racial equality in the United States.

POL 205 ENVIRONMENTAL POLITICS *Three 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 206D DIVERSITY & U.S. DEMOCRACY *Four credit hours***
 In this class, students explore the meaning and impact of class, sex/gender, racial/ethnic, religious, and other forms of diversity on U.S. democracy.
- POL 207 INTRODUCTION TO LAW *Three 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.
- POL 208(D) SPECIAL LEGAL STUDIES *One to three 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 209 POLITICAL HISTORY OF OHIO *Two 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 political 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.
- POL 211I INTERNATIONAL POLITICS *Four credit hours***
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 214I POLITICAL GEOGRAPHY *Two or three credit hours***
 An introduction to the geopolitical forces that have shaped and continue to shape the modern world. Boundaries, ethnicity, nationalisms are matters particularly studied, as is generally the relationship of geography to world political systems. Not offered every year.
- POL 215I UNITED NATIONS *Two 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 B-W Model UN Team.
- POL 216I INTERNATIONAL ORGANIZATIONS:
CASE STUDIES *One to three credit hours***
Prerequisite: 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 *Four credit hours***
Required for all majors
 A comparative examination of selected government systems illustrating the variety of political systems in the world today.
- POL 228I THE MIDDLE EAST TODAY *Two or three credit hours***
 An introduction to the study of the politics of the Middle East. The course emphasizes three topics related to the area: the historical and cultural setting; the general patterns of politics and political change; and the specific features of selected area countries. Not offered every year.

POL 231 INTRODUCTION TO POLITICAL THEORY *Four credit hours*

Required for all majors

This course introduces students to the issues, debates, and methods of political philosophers. It emphasizes the use of political theory to solve public problems.

POL 233 FREEDON VS. EQUALITY *Four credit hours*

One of the most discipline-defining tensions in political economy is between freedom and equality. This course explores this tension by addressing selective readings and contemporary issues in political economy.

POL 239 POLITICAL ECONOMY *Three credit hours*

Political economy addresses the intersection of money, justice and politics. This course introduces some of the terrain of political economy while giving students some grounding in discipline-defining debates and issues such as inequality, fiscal and monetary policy, trade, (un)employment, globalization and welfare spending. Not offered every year.

POL 240 INTRODUCTION TO POLITICAL ANALYSIS *Four credit hours*

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 241 PUBLIC INTEREST RESEARCH *Four 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 263(I, D) SEMINAR IN POLITICAL SCIENCE *One to three 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 THE ELECTED BRANCHES *Three credit hours*

Recommended background: POL 101

An intensive examination of the two elected branches of the American national government, Congress and the Presidency, with particular emphasis on the power relationships within and between them. Offered in alternate years.

POL 302 POLITICAL PARTIES AND PRESSURE GROUPS *Three credit hours*

Recommended background: POL 101

An examination of the political process focusing on how Americans engage in elections and lobbying government. Most emphasis is placed on interest groups (or pressure groups) and political parties in the United States, their internal dynamics, and their impact on the American political system. Offered in alternate years.

POL 303 PUBLIC ADMINISTRATION *Three credit hours*

Recommended background: POL 101

An examination of the process of administration in the American public sector. The course covers the major trends in organization theory and selected aspects of administrative and bureaucratic behavior. Offered in alternate years.

POL 304D URBAN POLITICS *Three credit hours*

Recommended background: POL 101

An examination of the political forces present within the American urban/suburban setting. 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 306 JUDICIAL PROCESS**Three credit hours***Recommended background: POL 101*

An in-depth exploration of the processes used by the state and federal judicial branches of American government. The course explores how the courts address criminal law, civil law, as well as looking at various facets of the legal process, including juries, judicial selection, judicial behavior, judicial policy development, and subsidiary judicial processes such as arbitration and alternative dispute resolution. This course is recommended for students preparing for law school or work in the criminal justice system. Offered in alternate years.

POL 307 AMERICAN CONSTITUTIONAL LAW Three credit hours*Recommended background: POL 101 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. Offered in alternate years.

POL 308 CIVIL LIBERTIES IN THE UNITED STATES Three credit hours*Recommended background: POL 101 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. Offered in alternate years.

POL 309 CRIMINAL LAW AND THE CONSTITUTION**Three credit hours***Recommended background: POL 101 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 311I AMERICAN FOREIGN POLICY Three credit hours*Recommended background: POL 101 or 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. Offered in alternate years.

POL 314I COMPARATIVE FOREIGN RELATIONS Three credit hours*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. Offered alternate years.

POL 315I INTERNATIONAL ORGANIZATION Three credit hours

The course will include the study of the United Nations as described in POL 215I and add in-depth study and research of additional international organizations. This course or POL 215I is required for participation in B-W Model UN Team.

POL 321I DEMOCRACY AND DEMOCRATIZATION Three credit hours*Prerequisite: sophomore, junior or senior standing. Recommended background: POL 221I*

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 EASTERN EUROPE *Three credit hours***
Prerequisite: sophomore, junior or senior standing. Recommended background: POL 221I
 An examination of post-communist Russia and other selected systems of Eastern Europe and the former Soviet Union. Offered in alternate years.
- POL 326I SPECIAL COMPARATIVE POLITICAL *Two or three credit hours***
STUDIES
 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. Not offered every year.
- POL 327I POLITICAL CHANGE IN ASIA *Three 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. Offered in alternate years.
- POL 329I GOVERNMENT AND POLITICS IN SUB- *Three credit hours***
SAHARAN AFRICA
 Examination of political change in Africa south of the Sahara, with special reference to nationalism, nation-building, leadership and problems of development. Offered at least once every third year.
- POL 330 HISTORY OF POLITICAL PHILOSOPHY I: *Three credit hours***
ANCIENT AND MEDIEVAL
Recommended background: POL 231 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. Offered in alternate years.
- POL 331 HISTORY OF POLITICAL PHILOSOPHY II: *Three credit hours***
EARLY MODERN AND MODERN
Recommended background: POL 231 and/or PHL 101(I)
 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. Offered in alternate years.
- POL 332 AMERICAN POLITICAL THOUGHT *Three credit hours***
Recommended background: POL 231 and/or PHL 101(I)
 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. Offered in alternate years.
- POL 333D CONTEMPORARY POLITICAL VOICES AT *Three credit hours***
THE MARGINS
Recommended background: POL 231 and/or PHL 101(I)
 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. Offered in alternate years.

POL 339 SPECIAL TOPICS IN POLITICAL THEORY *Three credit hours*

Recommended background: POL 231 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 363(I) SEMINAR IN POLITICAL SCIENCE *Two or three credit hours*

A junior-level seminar dealing with topics in a seminar format that are not covered elsewhere in the offerings. Not offered every year.

POL 463(I) SEMINAR IN POLITICAL SCIENCE *Two or three credit hours*

An intensive, senior-level examination of selected topics in the field of political science. Not offered every year.

POL 491,492 DEPARTMENTAL THESIS/PROJECT *Credit to be arranged*

See [Departmental Thesis/Project, Section II.](#)

Pre-Pharmacy Program

Northeastern Ohio Universities College of Pharmacy (NEOUCOP)
 3 years at Baldwin-Wallace College – 4 years at NEOUCOP
 (Bachelor's degree from B-W 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

B-W Course Number	Course Title	Minimum Credit Hours
BIO 121L & 122L	Principles of Biology I & II with Lab	8 credit hours
CHM 111/111L & 112/112L	General Chemistry I & II with Lab	8 credit hours
CHM 251/251L & 252/252L	Organic Chemistry I & II with Lab	8 credit hours
PHY 131/151L & 132/152L or PHY 145L & 146L	General Physics or Applied College Physics	6 credit hours
CHM 311/311L & 411	Biochemistry	6 credit hours
MTH 141	Calculus	3 credit hours
PSY 279, ECN 279 or MTH 135	Statistics	3 credit hours
ENG 111,131, literature	English Composition/Literature	6 credit hours
ECN 100, 101 or 102	Economics	3 credit hours
CSC 121, 131 or 141	Computer Literacy	3 credit hours
CAS 102, 112 or 126	Speech/Communication	3 credit hours
PSY 110	Psychology	3 credit hours
	Social Science Electives	6 credit hours
	Humanities Electives	6 credit hours
TOTAL		72 credit hours

B-W students wishing to earn their Bachelor's degree will need to complete the College Core Curriculum, a major and a minor. The College 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), 4 hours of PSY 303 (Physiological Psychology) and 3 hours of HPE 206 (Medical Terminology)] from the first year of the NEOUCOP program towards the 124 hours required to graduate from Baldwin-Wallace College.

PSYCHOLOGY

Consistent with the mission of the College, 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.

Psychology Major

Computer Code: PSYS

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 (* = Prerequisite Required)

PSY	110	Principles of Psychology	4 credits
PSY	210	Professions in Psychology	1 credits*
PSY	279	Elements of Statistics	4 credits*
PSY	280	Research Methods	3 credits*
PSY	281	Thesis in Psychology	3 credits*
PSY	412	History & Systems of Psychology	4 credits*
SOC	281	SPSS	4 credits*

Any two (2) of the following Psychological Processes courses must be successfully completed:

PSY	303	Physiological Psychology	4 credits*
PSY	327	Psychology of Learning	4 credits*
PSY	328	Cognitive Processes	4 credits*
PSY	329	Sensation and Perception OR Appropriate Seminar	4 credits* 3 credits*

Any one (1) of the following Human Relations courses must be successfully completed:

PSY	304	Personality Psychology	4 credits*
PSY	321	Human Relations and Group Dynamics	3 credits*
PSY	339	Social Psychology OR Appropriate Seminar	4 credits* 3 credits*

Any one (1) of the following Developmental courses must be successfully completed:

PSY	205	Developmental Psychology	3 credits*
PSY	315	Child Development	4 credits*
PSY	325	Adolescent Development	4 credits*
PSY	335	Adult Development and Aging OR Appropriate Seminar	4 credits* 3 credits*

Any one (1) of the following Applied courses must be successfully completed:

PSY	302	Abnormal Psychology	4 credits*
PSY	312D	Counseling Psychology	4 credits*
PSY	316D	Child Psychopathology	3 credits*
PSY	320	Industrial/Organizational Psychology OR Appropriate Seminar	4 credits* 3 credits*

Any one (1) Additional course or seminar to be selected from the following:

PSY/BIO	250	Principles of Neuroscience	3 credits*
PSY	261	Special Topics Seminar	3 credits*
PSY	262	Special Topics Seminar	3 credits*
PSY	263	Special Topics Seminar	1-4 credits*
PSY	301	Psychological Testing	4 credits*
PSY	326	Behavior Modification	3 credits*
PSY	345D	Multicultural Psychology	4 credits*
PSY	373	Seminar in Clinical Experience	2 credits*
PSY	473	Clinical Field Experience OR	2 credits*

any course not selected previously from above categories.

NOTE: PSY 050, 070, or 273 **may not** be used to fulfill the "Additional course or seminar" requirement.

Psychology Minor

Course requirements for the Psychology minor are: PSY 100 or PSY 110 (four credits) and any Psychology classes at the 200, 300 or 400 level (minimum of 13 credits), excluding PSY 210. Minimum total credits for a Psychology minor is 17.

Psychology

Course Descriptions

<p>PSY 050(I) INDEPENDENT STUDY</p> <p>See Independent Study Program, Section II.</p>	<p>PSY 070 INTERNSHIP</p> <p>See Internship Program, Section II.</p>	<p>Credit hours to be arranged</p> <p>Credit hours to be arranged</p>
<p>PSY 259,359,459 FACULTY-STUDENT COLLABORATION</p> <p>See FSC Program, Section II.</p>	<p>PSY 110 PRINCIPLES OF PSYCHOLOGY</p> <p><i>This course may be taken to partially satisfy the core curriculum requirement in the social sciences.</i></p> <p>An introduction to the scientific study of behavior. The course will help the student understand how psychologists know what they know. Typical topics surveyed include the study of the brain, mental states, sensation, perception, learning, thinking, memory, emotion, motivation, 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 published in psychological periodicals. Finally, oral and written communication skills consistent with those detailed in the APA Publication Manual will be developed.</p>	<p>Credit hours to be arranged</p> <p>Four credit hours</p>
<p>PSY 205 DEVELOPMENTAL PSYCHOLOGY</p> <p><i>Prerequisite: PSY 110. This course may be taken to partially satisfy the core curriculum requirement in the social sciences.</i></p> <p>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.</p>	<p>PSY 210 PROFESSIONS IN PSYCHOLOGY</p> <p><i>Prerequisites: PSY 110 and consent of instructor</i></p> <p>This course provides the students with an overview of career opportunities in Psychology. Information is provided about what Psychologists do and the preparation required to work/study in various settings. The course is graded S/U (pass/fail).</p>	<p>Three credit hours</p> <p>One credit hours</p>
<p>PSY 215D PSYCHOLOGY OF WOMEN</p> <p><i>Prerequisite: PSY 110.</i></p> <p>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.</p>	<p>PSY/BIO 250 PRINCIPLES OF NEUROSCIENCE</p> <p><i>This course may be taken to partially satisfy the core curriculum requirement in either the Social Sciences (PSY 250) or the Natural Sciences (BIO 250).</i></p> <p>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</p>	<p>Four credit hours</p> <p>Three credit hours</p>

PSY 261,262,263 SPECIAL TOPICS SEMINARS

One to four credit hours

Prerequisites dependent on topic

Seminars reflecting the depth & breadth of Psychology are offered periodically.

PSY 273 INTRODUCTION TO CLINICAL EXPERIENCE

Two credit hours

Prerequisite: PSY 110

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 279 ELEMENTS OF STATISTICS

Four credit hours

Prerequisite: PSY 110. 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 College.

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 280 RESEARCH METHODS

Three credit hours

Prerequisite: PSY 110 and 279.

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 281 THESIS IN PSYCHOLOGY

Three credit hours

Prerequisite: PSY 280 and PSY 279

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

Four credit hours

Prerequisite: PSY 279 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

Four credit hours

Prerequisite: PSY 110 with PSY 304 highly recommended

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/BIO 303 PHYSIOLOGICAL PSYCHOLOGY *Four credit hours*
Prerequisite: PSY 110 or BIO 203L or consent of instructor.

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 *Four credit hours*
Prerequisite: PSY 110. 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 *Four credit hours*
Prerequisite: PSY 110. 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 *Four credit hours*
Prerequisite: PSY 110 and PSY 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 *Three credit hours*
Prerequisites: 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 *Four credit hours*

Prerequisite: PSY 110.

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 *Three credit hours*

Prerequisite: PSY 110. 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 *Four credit hours*
Prerequisite: PSY 110 or PSY 315.

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 BEHAVIOR MODIFICATION Three credit hours

Prerequisites: PSY 110 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 Four credit hours

Prerequisites: PSY 110 or consent of instructor.

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 Four credit hours

Prerequisite: PSY 280

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 Four credit hours

Prerequisite: PSY 280

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 335 ADULT DEVELOPMENT AND AGING Four credit hours

Prerequisite: PSY 110; offered in alternate years.

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 339 SOCIAL PSYCHOLOGY Four credit hours

Prerequisites: PSY 110, 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 345D MULTICULTURAL PSYCHOLOGY Four credit hours

Prerequisite: PSY 110

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 373 SEMINAR IN CLINICAL EXPERIENCE Two credit hours

Prerequisite: 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. This course is graded S/U (pass/fail).

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.

Religion Major

Computer Code: RELG

Minimum credits required: 36 (plus prerequisites as indicated)

Required Courses (* = Prerequisite Required)

REL 100	Introduction to Religion	3 credits
REL 490	Departmental Colloquium	3 credits
	2 advanced seminars	6-8 credits
REL 499	Senior Project	3-4 credits

Distribution Requirements:

World Religions- Choose one from:

REL 215I	Death and the Afterlife in the World's Religions	3 credits
REL 216I	Women and Religion	3 credits
REL 217I	Religion and Violence	3 credits
REL 218D	American Religious Pluralism	3 credits

Spirituality- Choose one from:

REL 121	Spiritual Disciplines	3 credits
REL 125	Modern Spiritual Paths	3 credits
REL 127	Contemplative Spirituality	3 credits
REL 222	History of Christian Spirituality	3 credits

Scripture- Choose one from:

REL 242	Introduction to the Hebrew Bible/Old Testament	3 credits
REL 243	Jesus and the Gospels	3 credits
REL 244	Christianity in the New Testament	3 credits

Religion in Cultural Contexts: History, Theology, Ethics- Choose one from:

REL 161	Christian Faith & Thought	3 credits
REL 261	Christian Ethics	3 credits
REL 265	Religion and Literature	3 credits
REL 266	Religion & Film	3 credits

Elective Courses:

Three or more Religion elective courses	7-9 credits
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Religion Minor

Minimum credits required: 19 (plus prerequisites as indicated)

Required Courses

REL 100	Introduction to Religion	3 credits
REL 490	Departmental Colloquium	1 credit
	One advanced seminar	3-4 credits

Elective Courses

Four or more Religion elective courses	11-12 credits
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Religion Course Descriptions

REL 050(I) INDEPENDENT STUDY *One to four credit hours*

See [Independent Study Program, Section II.](#)

REL 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*

See [FSC Program, Section II.](#)

REL 100 INTRODUCTION TO RELIGION *Three 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, but otherwise open to Freshmen and Sophomores only.

REL 193(D),293(D) TOPICS IN RELIGION *Two to four credit hours*

Various topics in Religion will be examined. May be repeated, provided that the topic is different.

REL 393(I),493(I) SEMINAR IN RELIGION *Three or four credit hours*

Prerequisite: One Religion course

Advanced examination of various topics in Religion. May be repeated, provided that the topic is different. Required for majors and minors

REL 490 DEPARTMENTAL COLLOQUIUM *One credit hours*

Prerequisite: One Religion course

Meets weekly, to discuss various issues in Religion. Required for Majors and Minors. Graded S/U.

REL 499 SENIOR PROJECT *Three to four credit hours*

Prerequisite: Two upper level seminars

Each Religion Major must complete a senior project, independently designed and carried out in consultation with a member of the Religion Department. Usually the senior project will take the form of a major research paper and will conclude with an oral review conducted by the faculty of the department.

Comparative Religions

REL 1011 RELIGIONS OF INDIA *Three credit hours*

An introduction to the beliefs and practices of the major religions of India, including Hinduism, Jainism, Buddhism, Islam, and Sikhism.

REL 1021 RELIGIONS OF CHINA AND JAPAN *Three credit hours*

An introduction to the beliefs and practices of the major religions of East Asia, including Confucianism, Taoism, Buddhism, and Shinto.

REL 1081 ISLAM *Two credit hours*

An examination of the basic beliefs, practices, and early history of Islam.

- REL 110 JUDAISM *Three 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 *Three credit hours***
 A survey of the various religious traditions, with emphasis on the Christian experience, of African-Americans.
- REL 118 EASTERN ORTHODOX CHRISTIANITY *Three credit hours***
 An overview of the Orthodox Christian tradition, considering both the historical development of the Orthodox Church and the unique expressions of Eastern Christian faith.
- REL 120 CATHOLIC FAITH TODAY *Two 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 2011 BUDDHIST CULTURE IN ASIA *Three 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 208I POWER OF MYTH *Three credit hours***
 A study of myth in the world's religions, relying on the video series, The Power of Myth, featuring Joseph Campbell.
- REL 215I DEATH AND THE AFTERLIFE IN THE WORLD'S RELIGIONS *Three 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 *Three 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 AND VIOLENCE *Three 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 *Three credit hours***
 A study of the American religious landscape since 1965 and the signing of the Immigration and Naturalization Act. Religious pluralism has changed forever this country. Attention will be given to the historic Christian character of America and the new pluralistic flavor of Muslim, Hindu, Buddhist, Jewish and a variety of other faith traditions.

Spirituality

- REL 121 SPIRITUAL DISCIPLINES *Three 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.
- REL 125 MODERN SPIRITUAL PATHS *Three 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 *Three 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.

REL 222 HISTORY OF CHRISTIAN SPIRITUALITY *Three 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.

Scripture

REL 242 INTRO TO THE HEBREW BIBLE/ OLD TESTAMENT *Three 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.

REL 243 JESUS AND THE GOSPELS *Three 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 *Three 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 *Three 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.

Religion in Cultural Contexts: History, Theology, Ethics

REL 161 CHRISTIAN FAITH & THOUGHT *Three 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 261 CHRISTIAN ETHICS *Three credit hours*

This course will examine the major forms of ethical thought within the Christian tradition. The implications of these ethical approaches will be related to special current issues and moral problems.

REL 262 GREEN BUSINESS: GOD, MONEY, AND ECOLOGY *Three credit hours*

Considers what ethics and religion have to say about the relationship of business and the environment both in the U.S. and in developing countries. Also offered for Business credit as BUS 250. May be taken for either Religion or Business credit, but not both.

REL 265 RELIGION AND LITERATURE *Three 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. Offered in alternate years.

REL 266 RELIGION & FILM *Three 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.

SOCIAL WORK AFFILIATED PROGRAM

Baldwin-Wallace College has a 3+2 affiliation with Case Western University, leading to a bachelor's degree 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 B-W 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 B-W 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 B-W must complete a minimum of 60 credit hours at B-W)
- Strong faculty recommendations from B-W and recommendation of the B-W 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).

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 College 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 College 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.)

Sociology Major

Computer Code: SOCY

Minimum credits required: 44-47 (plus prerequisites as indicated)

Required courses: Minimum of 33 (* = Prerequisite Required)

Choice of one:

SOC	100D	Principles of Sociology	4 credits
SOC	106	Organizations	3 credits

Required:

SOC	280	Research Methods	4 credits*
SOC	281	SPSS: Data Analysis	4 credits*
SOC	301D	Social Inequalities	3 credits*
SOC	303I	Urban Community	4 credits*
SOC	313	Criminology	3 credits*
SOC	315	Sociological Theory	3 credits*
SOC	400	Applied Sociological Research	3 credits*
SOC	450	Sociology Pro-Seminar	2 credits*

Choice of one:

PSY	279	Elements of Statistics	4 credits*
ECN	279	Elements of Statistics	4 credits*
MTH	135	Introduction to Probability/Statistics	3 credits

Required Sociology Elective credits: Minimum of four courses for 12-13 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) and four credits of Field Experience (SOC 070) may be counted toward the 41-44 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 106 Organizations; SOC 301 Social Inequalities; SOC 310 Work in America; and research and SOC 281 SPSS/data analysis 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 SPSS 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 college 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 or 463 to acquaint the interested student with a wide range of special topics. SOC 250, "*Topics in Sociology*" includes courses dealing with specialized areas; SOC 350, "*Topics in Sociology*" 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.

Sociology Minor

Minimum credits required: 20 credit hours

Select one:

SOC	100D	Principles of Sociology	4 credits
SOC	106	Organizations	3 credits

At least two from:

SOC	201D	Social Problems	4 credits
SOC	301D	Social Inequalities	3 credits*
SOC	302I	Racial and Cultural Minorities	3 credits*
SOC	313	Criminology	3 credits*

Select at least one *:

SOC	280	Research Methods	4 credits*
SOC	315	Sociological Theory	3 credits*

Additional courses to total 20 hours

*** If you had a previous methods course, we recommend that you take Sociological Theory.**

A minimum of three sociology courses must be taken at Baldwin-Wallace. No more than four hours (combined) of SOC 050 and SOC 070 credit may be counted toward the minor.

Sociology Course Descriptions

SOC 050(I) INDEPENDENT STUDY *One to four credit hours*

See [Independent Study Program, Section II.](#)

SOC 070 INTERNSHIP *Credit hours to be arranged*

See [Internship Program, Section II.](#)

SOC 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*

See [FSC Program, Section II.](#)

SOC 100D PRINCIPLES OF SOCIOLOGY *Four 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 106 ORGANIZATIONS *Three credit hours*

In our modern world, obtaining an understanding of organizations is necessary to succeed. This course is a study of the structure and function of formal organizations, from schools to business and government. Authority, conflict, motivation, socialization, participation and alienation are examined through social research. Examples are drawn from the kinds of organizations familiar to students from their own experiences (schools, colleges, work settings) and future career sites (large corporations, criminal justice agencies, professional partnerships, etc.).

SOC 180I **ARCHEOLOGY AND HUMAN EVOLUTION** *Three 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** *Three 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** *Four 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 College, 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** *Three 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** *Three credit hours*

Prerequisite: 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** *Three 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/CRJ 223 **JUVENILE DELINQUENCY AND THE JUVENILE JUSTICE SYSTEM** *Three 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.

SOC 250(I) TOPICS IN SOCIOLOGY Three 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 260 DEATH AND DYING Three 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 inter-disciplinary 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/CRJ 270I TERRORISM: ROOTS AND RESPONSES Three 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.

SOC 280 RESEARCH METHODS Four credit hours

Prerequisite: SOC 100D or SOC 106. Required of all Sociology majors.

In today's market, no matter what college 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 SPSS: DATA ANALYSIS Four credit hours

Prerequisite: PSY 279 or ECN 279 or MTH 135, and a research course in either sociology or psychology or consent of the instructor. Required of all Sociology majors

Students use the Statistical Package for the Social Sciences to create data files, recode variables, and analyze relationships in the data. Participants learn how to formulate research hypotheses and empirically test them in a user-friendly computer lab. Thought you didn't like statistics? Let the computer do the math, and you concentrate on what the outcome really means in human terms. 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. You will have a skill that is used in social analysis and in market research in business. You might even like statistics in the end like many students who took the class before you!

SOC 288 ENVIRONMENTAL SOCIOLOGY Three credit hours

Prerequisites: LAS 200 (SOC 100D is recommended)

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 315 SOCIOLOGICAL THEORY Three credit hours

*Prerequisite: SOC 100D or SOC 106 or SOC 201D, plus 2 additional courses in sociology.
Required of all Sociology majors.*

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 Three credit hours

Prerequisite: SOC 100D or SOC 106 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/CRJ 320 VICTIMOLOGY Three credit hours

Prerequisite: 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.

SOC 344D AGING AND SOCIETY Three 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 Three 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 Three credit hours

Prerequisite: SOC 100D or SOC 106 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**Three 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 non-proliferation, 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/
CRJ 361 CORRECTIONS****Three 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.

SOC 386I GLOBAL PERSPECTIVES**Three credit hours***Prerequisite: LAS 200 or SOC 100D*

You are living in a world where the local is the global, and vice versa. The primary purpose of the course is to provide a sociological interpretation of global human dynamics, with a special emphasis on political economy conditions. Issues cover areas of global political economy, development and social change, and international relations. Other areas that are covered include: the diverse perceptions of the world; ethnicity and global diversity; economic development; ecological sustainability, and war and peace. This course examines the sources of order and conflict in the world social system. It also looks into how the United States and other nations interpret their existence and role in the new world order.

SOC 400 APPLIED SOCIOLOGICAL RESEARCH Three credit hours*Prerequisite: 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 418D SOCIAL MOVEMENTS**Three credit hours***Prerequisite: SOC 100D or SOC 106 or SOC 201D, plus 2 additional courses 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 450 SOCIOLOGY PROSEMINAR**Two credit hours***Prerequisite: Senior status and Sociology Major. Concurrently with SOC-400. Required of all Sociology majors.*

Integrating your 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. Classes may include meetings with Career Services and speakers on graduate schools and various career fields.

**SOC 263(I) and
463(I) SEMINARS IN SOCIOLOGY****One to four credit hours**

Offered occasionally on a variety of topics.

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.

Sustainability Major

Computer Code: SUST

Minimum credits required: 63

Required courses (* = Prerequisite Required)

BIO/ECN	150I	Humans and the Earth	3 credits
BIO	121L	Principles of Biology I	4 credits
BIO	122L	Principles of Biology II	4 credits
GEO	131	Earth and Its Resources	3 credits
CHM	111/111L	General Chemistry I & Lab	4.5 credits
CHM	112/112L	General Chemistry II & Lab	4.5 credits
SOC	288	Environmental Sociology	3 credits*
POL	205	Environmental Politics	3 credits
ECN	101	Principles of Economics I	4 credits
HPE	210W	Sustainable Food & Nutrition Choices	2 credits

ECN/PSY 279 Elements of Statistics 4 credits*

Students on the Quantitative track may take either ECN 279 or BIO 200 — "Statistics".

PHL 205I Environmental Ethics 3 credits

OR

REL 262 Green Business 3 credits

Elective Courses

At least 15 credit hours should be completed from one of the four upper level track of courses (sciences, social sciences & humanities, business administration, or quantitative). Courses may not be mixed among the four tracks.

Sciences: (3 of the 4 courses must be at the 300 level)

BIO	211	Genetics	4 credits*
BIO	212	Microbiology	4 credits*

BIO	309	Vertebrate Natural History	4 credits*
BIO	310	Evolution	4 credits*
BIO	313	Ecology	4 credits*
BIO	334	Invertebrate Natural History	4 credits*
BIO	336	Molecular Biology	4 credits*
BIO	337	Plant Physiology	4 credits*
CHM	251/251L	Organic Chemistry I & Lab	4.5 credits*
CHM	311/311L	Biochemistry	4.5 credits*

Social Sciences & Humanities:

ECN	356D	Urban Economics	3 credits*
ECN	358	Environmental Economics	3 credits*
ECN	362I	Economics of Developing Countries	3 credits*
ECN	365I	International Economics	3 credits*
CAS	410	Persuasive Campaigns	3 credits*
CAS	415	Studies in Public Relations	3 credits*
POL	301	The Elected Branches	3 credits*
POL	303	Public Administration	3 credits*
POL	315I	International Organization	3 credits
SOC	418D	Social Movements	3 credits*

Business Administration:

BUS	305	Introduction to Management	3 credits*
BUS	315	Small Business Management	3 credits*
BUS	326	Legal Environment of Organizations	3 credits*
BUS	329	Business Ethics	3 credits
BUS	330	Introduction to Marketing	3 credits*
BUS	342	Corporate & Organizational Finance	3 credits*
BUS	358	Business Communications	3 credits
BUS	360I	Pol & Social Responsibility of Multinational Corporation	3 credits
BUS	415	Business Plan Development	3 credits*

Quantitative:

MTH	141	Calculus I	4 credits*
MTH	142	Calculus II	4 credits*
MTH	243	Calculus III	4 credits*
CSC	141	Advanced Applications for Info Analysis	3 credits*

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 credits
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Sustainability Minor**Minimum credits required: 22-26** (* = Prerequisite Required)**A. Humans and the Earth Requirement** (3 credits)

BIO/ECN	150I	Humans and the Earth	3 credits
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B. Science Requirement (6-9 credits)**Non-Science Majors:** *Select one of the following options-***Non-Science Option A**

MTH	135	Intro to Probability & Statistics	3 credits
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AND one course from those listed below.

Non-Science Option B

Select two courses in the same discipline from those listed below.

BIO	121L	Principle of Biology I	4 credits
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BIO	122L	Principle of Biology II	4 credits
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OR

GEO	121IL	Physical Geography	3 credits
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GEO	227	Environmental Geology	3 credits
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OR

CHM	111/111L	General Chemistry I & Lab	4.5 credits
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CHM	112/112L	General Chemistry II & Lab	4.5 credits*
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Science Majors: *Select one of the following options-***Science Option A**

MTH	135	Intro to Probability & Statistics	3 credits
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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 credits*
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BIO	313	Ecology	4 credits*
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BIO	334	Invertebrate Natural History	4 credits*
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BIO	212	Microbiology	4 credits*
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GEO	121IL	Physical Geography	4 credits
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GEO	227	Environmental Geology	3 credits
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CHM	221/221L	Quantitative Analysis	3 credits*
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C. Social Science Requirement (6 credits)

Select two of the following courses from different disciplines:

SOC	288	Environmental Sociology	3 credits*
POL	205	Environmental Politics	3 credits
ECN	358	Environmental Economics	3 credits*
ECN	362I	Economics of Developing Countries	3 credits*

D. Humanities/ HPE (5-6 credits)

Select two of the following courses:

PHL	205I	Environmental Ethics	3 credits
ENG	305	Nature Writing	3 credits
REL	262	Green Business	3 credits
HPE	210W	Sustainable Food & Nutrition Choices	2 credits

HPE-210W could be substituted by another suitable HPE- Wellness or Special topics seminar course, with consent of HPE Division.

E. Internship/ Field Experience (2 credits)

A mandatory (2 credit minimum) internship/field experience, approved by the Sustainability co-directors.

Sustainability Course Descriptions

SUS 400 SUSTAINABILITY CAPSTONE *Three 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 AND DANCE

Theatre Major

Computer Code: CTHE

The theatre major is a generalist program designed to provide a broad perspective of the literature, history and creative practices of the discipline.

Minimum credits required: 46 (plus prerequisites as indicated)

Required courses (* = Prerequisite Required)

THE	100F	Introduction to Theatre	3 credits
THE	162F	Backstage Experience	2 credits
THE	170	Vocal Training	2 credits
THE	180F	Stagecraft	3 credits
THE	191IF	Theatre Literature	3 credits
THE	270F	Collaborative Studies in Theatre	3 credits*
THE	272	Acting	3 credits*
THE	285	Stage Management OR	2 credits*
THE	286	Theatre Management	2 credits*
THE	288IF	Theatre History I	3 credits*
THE	289IF	Theatre History II	3 credits*
THE	291F	Modern Theatre Literature	3 credits*
THE	371	Directing	3 credits*
THE	372	Building a Character	3 credits*
THE	382	Scene Design	3 credits*
THE	383	Lighting Design	2 credits*
THE	385	Costume Design	3 credits*
THE	472	Current Theatrical Trends	2 credits*

Theatre Minor

Minimum credits required: 19

The theatre minor includes: THE 100F, 162F (2 hours), 151F, 180F, 191IF, 270F* and 371*.

Dance Minor

Minimum credits required: 23

Required courses

BIO	203L	Human Anatomy and Physiology I	4 credits
HPE	203	Essentials of Athletic Training	2 credits
		OR	
HPE	205	First Aid and Safety Education	2 credits
HPE	207W	Nutrition for Daily Living	3 credits
		OR	
HPE	211W	Nutrition for the Athlete	3 credits

DAN	214IF	Dance History	3 credits
DAN	331F	Improvisation & Choreography	3 credits*
DAN	332	Dance Production & Performance	2 credits
DAN	333F	Dance in the Musical Theater	3 credits

Three semester credits of dance technique:
HPE 141W, DAN 142, DAN 143 or DAN 144

Recommended: BIO 204L, CAS 121, HPE 451, MUL (course in music), THE 263(IH), 463(I), 070 (as related to dance).

Theatre Course Descriptions

THE 050(I) INDEPENDENT STUDY *Credit hours to be arranged*

See [Independent Study Program, Section II.](#)

THE 070 INTERNSHIP *Credit hours to be arranged*

Practical experience in any area of theatre. See [Internship Program, Section II](#)

THE 259,359,459 FACULTY-STUDENT COLLABORATION *Credit hours to be arranged*

See [FSC Program, Section II.](#)

THE 100F INTRODUCTION TO THEATRE *Three credit hours*

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 151F ACTING FOR NON-MAJORS *Two credit hours*

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 154F CREATIVE DRAMATICS *Two 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 161F ON-STAGE EXPERIENCE *One credit hours*

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 162F BACKSTAGE EXPERIENCE *One to two credit hours*

Two hours required of theatre majors and 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 170 VOCAL TRAINING *Two credit hours*

Required of all theatre majors

A practical course designed to liberate and develop the natural speaking voice, with emphasis on breathing, sound production, resonance, range, power, articulation, sensitivity, and mind/body unity.

THE 180F STAGECRAFT *Three credit hours*

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 191IF THEATRE LITERATURE**Three credit hours***Required of all theatre majors and minors*

A survey course of major plays from ancient Greece to the present. Emphasis will be placed on textual analysis for stage performance and production.

THE 263(IH) SEMINAR**Two to four credit hours**

The study of topics relevant to the theatre. Sample topics include Audition Techniques, Costume Construction and Computer Design Graphics. May be repeated more than once, provided the subject or topic is different.

THE 270F COLLABORATIVE STUDIES IN THEATRE Three credit hours*Required of all theatre majors and minors. Prerequisite: THE 100F, 191IF*

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 272 ACTING**Three credit hours***Required of all theatre majors. Prerequisite: THE 100F and THE 170 or THE 100F and MUS 201F*

The study of basic expressive techniques, analytical skills and the principles which underlie the methodologies of acting as they relate to the actor's performance.

THE 284 STAGE MAKEUP**Two credit hours***Prerequisite: THE 100F*

A basic course in fundamental principles and practices in theatrical makeup, emphasizing techniques of application, familiarization with materials, and fundamental makeup design. Additional lab hours required.

THE 285 STAGE MANAGEMENT**Two credit hours***THE 285 or THE 286 required of all theatre majors. Prerequisite: THE 100F*

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. Offered every third semester.

THE 286 THEATRE MANAGEMENT**Two credit hours***THE 285 or THE 286 required of all theatre majors. Prerequisite: THE 100F*

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. Offered every third semester.

THE 288IF THEATRE HISTORY I**Three credit hours***Required of all theatre majors. Prerequisite: THE 100F*

A survey of the origin and development of Western theatre. Offered every third semester.

THE 289IF THEATRE HISTORY II**Three credit hours***Required of all theatre majors. Prerequisite: THE 288IF*

A study of the foundations of modern theatre including American theatre history. Offered every third semester.

THE 291F MODERN THEATRE LITERATURE**Three credit hours***Required of all theatre majors. Prerequisite: THE 191IF*

A study of the origins and development of modern theatre literature from 1870 to the present, in Europe and America. The course will emphasize the work of such playwrights as Ibsen, Strindberg, Chekhov, O'Neill and Williams.

THE 371 DIRECTING**Three credit hours***Required of all theatre majors and minors. Prerequisite: THE 100F, 180F, 191IF, 270F, 151F or 272*

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 372 BUILDING A CHARACTER** *Three credit hours*
Required of all theatre majors. Prerequisite: THE 272
 This course focuses on the actor's development of characterization through scene work, textual analysis and other interdisciplinary approaches. Vocal and physical aspects of character delineation will be emphasized. Students will research and develop characterizations reflecting diverse stylistic and historical requirements.
- THE 373 ADVANCED PERFORMANCE STUDIES** *Three credit hours*
Prerequisite: THE 272, 372
 This advanced performance course will focus on specific acting skills and techniques and will vary with each course offering.
- THE 374 DIRECTING PRACTICUM** *Two credit hours*
Required of all student one-act directors. Prerequisite: THE 270F, 272, 371, 382, 383, 385
 This course is organizational in nature and deals with specific production problems involving the mounting of a one-act play. Students will select, budget and produce their productions in coordination with other directors.
- THE 382 SCENIC DESIGN** *Three credit hours*
Required of all theatre majors. Prerequisite: THE 100F, 180F, 270F
 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. Offered every third semester.
- THE 383 LIGHTING DESIGN** *Two credit hours*
Required of all theatre majors. Prerequisite: THE 100F, 180F, 270F
 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. Offered every third semester.
- THE 385 COSTUME DESIGN** *Three credit hours*
Required of all theatre majors. Prerequisite: THE 100F, 180F, 270F
 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. Offered every third semester.
- THE 463(I) SEMINAR** *Two to four credit hours*
 The study of advanced topics relevant to the theatre. Sample topics include Playwrighting and Advanced Design. May be repeated more than once, provided the subject or topic is different.
- THE 472 CURRENT THEATRICAL TRENDS** *Two credit hours*
Required of all theatre majors. Prerequisite: THE 191IF, 270F, 291F or consent of the instructor.
 This capstone course is designed to expose students to current trends and philosophies in the theatre community. Students will develop skills and resources that will help them remain current in their specific area of interest as well as develop a strategy for starting their theatrical career. This course should be taken during the Fall semester of the final year.
- THE 491,492 HONORS COURSES** *Credit hours to be arranged*
 See [Departmental Thesis/Project, Section II](#)

Dance Course Descriptions

- DAN 142,143,144 DANCE TECHNIQUE** *One-half to one credit hour*
 Dance techniques classes focus on the dance styles of Ballet, Modern, Tap, and Jazz. Courses are designed for one-half or one credit hour depending on the skill level of the dance technique course. Courses are offered on a minimester schedule. Specific courses are listed in the course schedule for each term.

DAN 214IF DANCE HISTORY

Three credit hours

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 College core and the international studies requirement of the College core. May be offered less frequently than once a year.

DAN 217FD DANCE IN AMERICA

Three credit hours

Note: Students may not receive credit for both Dance Appreciation and Dance in America.

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 College core. Some additional cost may be involved for purchase of performance tickets.

DAN 331F IMPROVISATION & CHOREOGRAPHY

Three credit hours

Prerequisite: Experience in dance or 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 College 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 DANCE PRODUCTION & PERFORMANCE

Two credit hours

A study of basic technical theater in relation to dance. Areas include costuming, makeup, lighting, management, and public relations. May be offered less frequently than once a year.

DAN 333F DANCE IN THE MUSICAL THEATRE

Three credit hours

The study of dance in musical theater. Emphasis is placed on the historical development, the practical application of design and the performance of theatrical dance styles. Applicable to the fine arts requirement of the College core. This course will be offered in alternate years.

CERTIFICATE PROGRAMS

The certificate programs at Baldwin-Wallace College 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 college degree program. Students who already have a college degree may enroll in this program. All courses offered in the B-W Certificate Program are college-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 college degree.

Eligibility for Admission

Students applying for admission to the Certificate Program at B-W must meet the standards required of all students. No admission tests are required but participants must complete the application procedures for admission to the College. Students enrolled in a certificate program at B-W may be concurrently enrolled in a degree program by notifying the Registrar's Office.

Note: Concerning all certificate programs, it is the student's responsibility to consult a Certificate Program advisor as to the specific course requirements of the certificate program. In order to receive a certificate, a student must fill out a Certificate Completion Application before the last semester of attendance. The form can be found at <http://www.bw.edu/resources/registration/forms>.

The Certificate Programs are as follows:

Key: (* = Prerequisite Required)

Accounting

The Certificate Program in Accounting requires six accounting courses for a total of 18 semester hours from the Business Administration Division. More than half of the courses must be completed at Baldwin-Wallace College. Seven hours of course work may be transferred from other accredited colleges and universities as long as the courses are not more than 10 years old.

The following four courses are required:

BUS	211	Principles of Accounting I	3 credits*
BUS	212	Principles of Accounting II	3 credits*
BUS	321	Intermediate Accounting I	3 credits*
BUS	322	Intermediate Accounting II	3 credits*

Specialization Electives: Must choose two 3 credit courses in Accounting at the 300 or 400 level.

BUS	316	Cost Accounting & Analysis	3 credits*
BUS	407	Federal Income Taxation	3 credits*
BUS	408	Federal Taxation	3 credits*
BUS	417	Principles of Auditing	3 credits*
BUS	418	Governmental & Nonprofit Accounting	3 credits*
BUS	420	Accounting Systems	3 credits*
BUS	421	Advanced Accounting	3 credits*

Computer Information Systems: Network Option

The Certificate Program in Computer Information Systems: Network Option requires 28 semester hours in coursework from the disciplines of computer science and mathematics. All but 10 credit hours must be completed at Baldwin-Wallace College.

Mathematics Requirements: (2 courses)

MTH	135	Intro to Probability & Statistics	3 credits
MTH	161	Discrete Mathematics I	4 credits

Computer Science Requirements: (7 courses)

CSC	180	Foundations of Computer Science	3 credits*
CSC	210	Computer Science I	3 credits*
CSC	270	Data Communications Concepts	3 credits*
CSC	290	Introduction to Local Area Networks	3 credits*
CSC	370	Information Systems Security, Privacy & Ethics	3 credits*
CSC	410	Advanced Local Area Networks	3 credits*
CSC	411	Network Administration	3 credits*

Computer Information Systems: Database Option

The Certificate Program in Computer Information Systems: Database Option requires 27 semester hours in coursework from the disciplines of computer science and mathematics. All but 10 credit hours must be completed at Baldwin-Wallace College.

Mathematics Requirement: (1 course)

MTH	161	Discrete Mathematics I	4 credits
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Computer Science Requirements: (7 courses)

CSC	180	Foundations of Computer Science	3 credits*
CSC	210	Computer Science I	3 credits*
CSC	225	File Systems Management Techniques & Applications	4 credits*
CSC	280	Intro to Database Management Systems	3 credits*
CSC	380	Advanced Database Management Systems	3 credits*
CSC	460	Systems Analysis and Design	4 credits*
CSC	465	Information Systems Project Management	3 credits*

Human Resource Management

The Certificate Program in Human Resource Management requires six college courses for a total of 18-19 semester credit hours. More than one half of the coursework must be completed at Baldwin-Wallace College. 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 credits
BUS	329	Business Ethics	3 credits
BUS	410	Human Resource Management	3 credits*

Choice of 3 electives, 2 of which must have a BUS prefix (9-10 credit hours):

BUS	409D	Behavioral Theories of Management	3 credits*
BUS	411	Compensation	3 credits*
BUS	412	Employment Law & Labor Relations	3 credits*
BUS	413	Staffing and Development	3 credits*
ECN	349	Labor in the Economy	3 credits*
PSY	301	Psychological Testing	4 credits*
PSY	320	Industrial/Organizational Psy	4 credits*
CAS	102	Interpersonal Communications	3 credits
CAS	350	Organizational Communication	3 credits*

Leadership

The certificate program in Leadership requires 18-20 semester hours. More than half the courses must be completed at Baldwin-Wallace College.

The following four courses are required:

LDR	201	Introduction to Leadership Studies	3 credits
LDR	202D	Contemporary Leadership Problems	3 credits
BUS	305	Introduction to Management	3 credits
BUS	409D	Behavioral Theories of Management	3 credits*

Course Options: (choose 1)

BUS	263	Team Building	3 credits
PSY	320	Industrial/Organizational Psychology	4 credits*
PSY	321	Human Relations and Group Dynamics	3 credits*

Course Options: (choose 1)

PSY	339	Social Psychology	4 credits*
SOC	210	Work Matters: Work & Work Settings	3 credits
SOC	301D	Social Inequalities	3 credits*

Organizational Development

The certificate program in Organizational Development requires 18-19 semester hours. More than half the courses must be completed at Baldwin-Wallace College.

The following four courses are required:

BUS	263	Team Building	3 credits
BUS	305	Introduction to Management	3 credits
BUS	409D	Behavioral Theories of Management	3 credits*
CAS	350	Organizational Communication	3 credits

Course Options: (choose 1)

PSY	320	Industrial/Organizational Psychology	4 credits*
PSY	321	Human Relations and Group Dynamics	3 credits*
PSY	339	Social Psychology	4 credits

Course Options: (choose 1)

SOC	210	Work Matters: Work & Work Settings	3 credits
SOC	301D	Social Inequalities	3 credits*

Sustainability

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 college courses, for a total of 18-19 semester hour credits.

Sciences: (Take at least two of the following)

GEO	121IL	Introduction to Physical Geography	4 credits
BIO	110L	Biology for the Citizen	3 credits
CHM	200I	Environmental Crisis? What Crisis?	3 credits

Liberal Arts: (Take at least two of the following)

ECN	358	Environmental Economics	3 credits*
PHL	205I	Environmental Ethics	3 credits
POL	205	Environmental Politics	3 credits

Business: (Take at least one of the following)

BUS	305	Introduction to Management	3 credits*
BUS	329	Business Ethics	3 credits
BUS	360I	Pol & Social Responsibility of Multinational Corp.	3 credits

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.

Section VII

GRADUATE PROGRAMS

MASTER OF ARTS IN EDUCATION

The Master of Arts in Education (M.A.Ed.) program at Baldwin-Wallace College is designed to stimulate and guide Early Childhood, Middle Childhood, and Adolescent/Young Adult teachers toward professional competency and intellectual maturity. The non-thesis program for teachers requires 34–42 semester hours of study.

M.A.Ed. specializations include **Literacy, Mild/Moderate Educational Needs, Educational Technology, School Leadership and Teaching & Learning**. M.A.Ed. specialization for College and University leadership preparation is **Leadership in Higher Education**. Literacy and Educational Technology can lead to endorsements. Mild/Moderate Educational Needs and School Leadership can lead to licensure. Successful completion of Praxis II exams is required for licensure and endorsement eligibility with the exception of Educational Technology.

The M.A.Ed. program is offered in three formats: traditional, on-campus study; School Partnership Program cohorts in school settings; and in combination with undergraduate courses leading to post-bachelor's licensure—the License+Master's program.

The Master's degree program is designed to meet the needs of today's classroom teachers—those who are experienced as well as those entering the profession.

Attributes

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

Courses are offered fall and spring semesters and during two consecutive summer sessions. Classes are scheduled in the late afternoon or early evening during fall, spring, summer I. Classes meet during the day in the summer II session.

Accreditation

Baldwin-Wallace College is accredited by The Higher Learning Commission, a commission of the North Central Association. The programs offered by the Division of Education are fully accredited by the National Council for Accreditation of Teacher Education (NCATE). It is approved by the American Chemical Association. It has been approved by the Association of American Universities since 1931. BWC 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*
3. An undergraduate cumulative grade point average of 2.75 (on a four point scale) in the last two years (60 semester hours) of study.
4. Two letters of recommendation 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 2.75 GPA, but not lower than 2.6 may be admitted 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 the 12 hour core 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 Division 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 Advanced Programs.

**Not required of License+Master's and Leadership in Higher Education applicants.*

Admission as a Non-Degree (Special) Student

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.

Comprehensive Exams

All candidates will be required to successfully complete a four hour written, comprehensive exam covering the four core areas: Educational Studies, Educational Research, Psychological Foundations and Instructional Technology. To qualify for the comprehensive exam, candidates should have completed all four of the educational core courses. An application for the exam may be submitted at the beginning of the fourth core class.

The Division of Education will employ the following procedure when a candidate does not pass one or more questions of the comprehensive exam:

1. Re-write of the failed question(s) one time.
2. Retake the specific course upon which the failed question(s) was based.

The Degree

Degree Completion

The program can be completed in as little as two years of part-time study. All degree work must be completed within six years of initial enrollment in graduate, degree-eligible courses at B-W.

Degree Requirements

The M.A.Ed. program is a non-thesis program for teachers requiring 34–42 semester hours to complete. See the M.A.Ed. Program of Studies information for requirements in each specific specialization.

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. The **-F** 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 Advanced 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 sit for comprehensive examinations.

Point four: 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 catalogue 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 Chair of the Division of Education. An appeal consists of a formal letter addressed to the Chair 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 Graduate Faculty Appeals 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 Chairperson of the Division 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 Dean. 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 College policy will prevail. Instructors are not required to excuse absences in excess of ten percent of class meetings.

Graduate Student/Alumni Association

The purpose of the Association is to promote a continuing and growing fellowship among the alumni and current students of the Graduate Education program at Baldwin-Wallace College; encourages continuing professional growth and social interaction; and, provides input into the various programs.

For more information, please contact:
The Alumni and Parent Relations Office
(440) 826-2104

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 34-42 credit hours
2. A 3.0 cumulative grade point average in total work attempted 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 Division of Education graduate courses
4. Successful completion of a comprehensive examination.

School Partnership Program

Baldwin Wallace College has a partnership agreement with over 40 school 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. Current Partnership Schools are:

Amherst Exempted Village
Avon Lake
Avon Local
Bay Village
Bedford
Berea
Black River Local
Brecksville/Broadview Hts.
Brooklyn
Brunswick
Buckeye Local
Clearview Local
Cleveland Municipal
Cloverleaf Local
Cuyahoga County Educational Service Center
Cuyahoga Valley Career Center
Elyria
Fairview Park
Garfield Hts.
Highland Local
Independence
Lakewood
Lorain
Lutheran Schools

Medina
Medina County Educational Service Ctr.
Medina County Career Center
Medina County MRDD
Midview Local
Nardon Hills
North Ridgeville
North Royalton
Olmsted Falls
Parma
Polaris Career Center
Revere Local
Rocky River
Strongsville
Twinsburg
Wadsworth
Walsh Jesuit
Westlake

Information is available about how a school district may join the School Partnership Program by contacting the Director of Advanced Programs at 440-826-8582.

Time Limits

Candidates must complete degree requirements within the six-year maximum limit. Extensions of the six-year limit will be considered upon petition to the Director of Advanced 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. (Approved by Division Faculty, 2010)
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 College.
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 Advanced Programs along with original transcripts, course descriptions, and course syllabi or outlines.

State License Examination

The State Board of Education of Ohio requires the Praxis II Examinations for all candidates seeking licensure at any level—early childhood education, middle childhood education, adolescent education, multi-age education, and mild/moderate. 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 currently possessing a license and seeking an endorsement will be tested only in the areas that they intend to add to their license. Thus, candidates adding reading to their license must take the exam in reading. License+Master's candidates must take all required exams for licensure and endorsements.

A candidate for licensure may take any or all required exams as many times as needed, provided the candidate fulfills registration and fee requirements for each exam.

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 College 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 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 College exists to provide support to students with special needs. If you anticipate seeking any accommodations related to your disability while you are at Baldwin-Wallace, please contact: Ms. Teresa Seroke, (440) 826-5936.

Baldwin-Wallace College endeavors to provide reasonable accommodations for every student who has a documented disability.

Workshop Admission

An applicant may be accepted for graduate 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.

M.A.Ed. Program of Studies

Curriculum for Teachers

Foundational Core (12 credits)

These 12 hours are to be completed by all degree seeking candidates.

EDU 510	Educational Studies	3 credits
EDU 511	Educational Research	3 credits
EDU 512	Psychological Foundations	3 credits
EDU 514	Instructional Technology	3 credits

Literacy

I. Foundational Core 12 credits

II. Professional Specialization 19 credits

EDU 541	Foundations of Reading and Language Arts	3 credits
EDU 542	Teaching Reading in the Content Area	3 credits
EDU 543	Diagnostic and Corrective Reading Methods	3 credits
EDU 544	Practicum in Reading	3 credits
EDU 545	Research in Literacy Education	3 credits
EDU 546	Child and Adolescent Literature	3 credits
EDU 547	AYA Practicum in Literacy	1 credit

III. Liberal Arts Enrichment

EDU 513	Arts and Sciences for Teachers	3 credits
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Mild/Moderate Educational Needs

I. Foundational Core 12 credits

II. Professional Specialization 27-28 credits

EDU 542	Teaching Reading in the Content Area	3 credits
EDU 573	Education of Children with Special Needs	2 credits
EDU 574	Introduction to Students with Mild/Moderate Educational Needs	3 credits
EDU 575	Professional Collaboration and Transition Development	3 credits
EDU 576	Classroom Management for Students with Mild/Moderate Educational Needs	3 credits
EDU 577	Assessment for Students with Mild/Moderate Educational Needs	3 credits
EDU 578	Student Teaching - Mild/Moderate Educational Needs (ages 5-12) OR	5 credits
EDU 579	Practicum in Mild/Moderate Educational Needs	4 credits
EDU 594	Remediation Across the Curriculum	3 credits
EDU 563	Advanced Topics in Special Education	3 credits

IV. Required for License

EDU 204	The Teaching of Phonics (for all candidates)	3 credits
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Educational Technology

I. Foundational Core	12 credits
II. Professional Specialization	19 credits
EDU 515 Digital Media Production	3 credits
EDU 516 Technology Integration: Multimedia and Instructional Design	3 credits
EDU 517 Technical Issues in Educational Technology Planning & Implementation	3 credits
EDU 518 Emerging On-line Classroom: Web-Based Classroom and Interactive Video	3 credits
EDU 520 Issues in Educational Technology	3 credits
EDU 525 Educational Technology Field Experience I	2 credits
EDU 526 Educational Technology Field Experience II	2 credits
III. Liberal Arts Enrichment	3 credits
EDU 513 Arts and Sciences for Teachers	3 credits

School Leadership

I. Foundational Core	12 credits
II. Professional Specialization	30 credits
EDU 580 Introduction to School Leadership	3 credits
EDU 581 Teaching and Learning	3 credits
EDU 582 Staff Evaluation & Professional Development	3 credits
EDU 583 Continuous Improvement Planning	3 credits
EDU 584 Pupil Services & Community Resources	3 credits
EDU 585 Legal & Ethical Issues	3 credits
EDU 586 School Leadership Internship I	3 credits
EDU 587 School Leadership Internship II	3 credits
EDU 588 Management of Resources	3 credits
EDU 589 Contemporary Issues for School Leaders	3 credits

Teaching and Learning

I. Foundational Core	12 credits
II. Professional Specialization	21 credits
EDU 516 Technology Integration: Multimedia and Instructional Design	3 credits
EDU 541 Foundations of Reading and Language Arts	3 credits
EDU 542 Teaching Reading in the Content Areas	3 credits
EDU 581 Teaching and Learning	3 credits
EDU 596 Culturally Responsive Curriculum & Instruction	3 credits
EDU 597 Differentiation in Effective Learning Environments	3 credits
EDU 598 Capstone Experience	3 credits
III. Liberal Arts Enrichment	3 credits
EDU 513 Arts and Sciences for Teachers	3 credits

Leadership in Higher Education Program

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 full-time 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 Educational Research	3 credits
EDU 560 History/Philosophy of Higher Education	3 credits
EDU 561 Student and Adult Development in Higher Education Practice	3 credits
II. Professional Specialization	31 credits
EDU 562 Funding and Finance in Higher Education	3 credits
EDU 564 Ethical Leadership in Higher Education	3 credits
EDU 566 Diversity in Higher Education	3 credits
EDU 568 Student Outcomes from the College Experience	3 credits
EDU 521 Internship I	4 credits
EDU 522 Internship II	4 credits
EDU 523 Internship III	4 credits
EDU 524 Internship IV	4 credits
EDU 571 Practicum in Student Affairs	2 credits
OR	
EDU 572 Practicum in Academic Affairs	2 credits
EDU 570 Capstone Seminar/ Portfolio Development	1 credit
III. Electives (choose two courses- prerequisites must be met)	6 credits
BUS 501 Systems Management and Organizational Theory	3 credits
BUS 509 Organizational Behavior	3 credits
BUS 513 Staffing and Development	3 credits
BUS 551 Marketing and Marketing Information Systems	3 credits
EDU 514 Instructional Technology	3 credits
EDU 567 Theory and Assessment of Educational Environments	3 credits
EDU 569 Counseling Theory and Practice	3 credits
EDU 581 Teaching and Learning	3 credits

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 2.75 in the final 60 hours of their undergraduate degree. Candidates who hold an overall grade point average of less than 2.75 but greater than 2.60 may be asked to take the Miller's Analogies Test to supplement their application.

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 additional graduate courses which replace undergraduate professional education courses.

Upon completion of all requirements, the student earns a license in the specialty area, a master's degree, and applicable endorsement or license in the master's specialization. The candidate 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.

Program sheets delineating the requirements for each License+Master's program may be obtained on the B-W website. The following are the License+Master's programs available at Baldwin-Wallace College:

- 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).
- 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).
- Adolescent Young Adult Education (grades 7 -12) /Multi-Age License with Reading Endorsement (K-12).
- Adolescent Young Adult Education (grades 7 -12) /Multi-Age License with Mild/Moderate Educational Needs License (K-12).
- Adolescent Young Adult Education (grades 7 -12) /Multi-Age License with Educational Technology Endorsement (K-12).
- Intervention Specialist License - Mild/Moderate Educational Needs License (K-12).

Master of Arts in Education Course Descriptions

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 EDUCATIONAL RESEARCH 3 credit hours

This course is an introduction to research with emphasis on research techniques, reporting, and interpreting educational research. The student will have the opportunity to relate educational research to classroom practice.

EDU 512 PSYCHOLOGICAL FOUNDATIONS 3 credit hours

The student will study human development from birth through early adulthood. Emphasis will be on understanding language, cognitive, and social development. Candidates will examine the implications of developmental factors for teaching and learning.

EDU 513 ARTS AND SCIENCES FOR TEACHERS 3 credit hours
This course is designed to deepen the students' (teachers') understanding of the realm of study in which they are licensed: the arts or the sciences. Students will strengthen their knowledge of the content that they teach through a three-part study. First, students will experience an in-depth look at one discipline within either the arts or sciences (art, literature, music, biology, geology, etc). Each student will also explore one topical subject in their own licensure area. Finally, students will examine the relationship between their content area and the broader discipline- arts/humanities or science/technology. Offered twice a year, students select either the arts/humanities offering or the science/technology according to their licensure area.

EDU 514 INSTRUCTIONAL TECHNOLOGY 3 credit hours
Candidates will be introduced to 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 environment. Candidates will design instructional strategies to integrate technology into the curriculum, author a faculty/staff development program, create a technological strategic plan, and apply problem-solving strategies in instructional settings. Grant writing and distance learning may be investigated.

Literacy Specialization

EDU 541 FOUNDATIONS OF READING & LANGUAGE ARTS 3 credit hours
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 AREAS 3 credit hours
Required of all Literacy candidates. Prerequisite: EDU 541
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
Required of all Literacy candidates. Prerequisites: EDU 541, 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
Required of all Literacy candidates. Prerequisites: EDU 541, 542, 543, 545
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
Required of all Literacy candidates. Prerequisites: EDU 541, 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
Required of all 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: EDU 541, 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.

Mild/Moderate Educational Needs Specialization

EDU 204 THE TEACHING OF PHONICS 3 credit hours

Required for all candidates seeking Mild/Moderate Educational Needs License.

This course focuses on understanding and applying phonics rules as well as the role of phonics in reading instruction. Candidates will learn strategies to incorporate phonics in the teaching of reading.

EDU 542 TEACHING READING IN THE CONTENT AREA 3 credit hours

Required of all Mild/Moderate Educational Needs candidates.

This course is an in-depth analysis of content area materials and the content area strategies candidates will assess. Students will study issues and trends in content area reading instruction. (25 hours of field experience required for License+Master's candidates only.)

EDU 563 ADVANCED TOPICS IN SPECIAL EDUCATION 3 credit hours

Required of all Mild/Moderate Educational Needs candidates. Prerequisites: 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 573 EDUCATION OF CHILDREN WITH SPECIAL NEEDS 2 credit hours

Required of all Mild/Moderate Educational Needs candidates. 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

Required of all Mild/Moderate Educational Needs candidates. Prerequisite: 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.

EDU 575 PROFESSIONAL COLLABORATION AND TRANSITION DEVELOPMENT 3 credit hours

Required of all Mild/Moderate Educational Needs candidates. Prerequisites: EDU 573, 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 on 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

Required of all Mild/Moderate Educational Needs candidates. Prerequisites: 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

Required of all Mild/Moderate Educational Needs candidates. Prerequisites: EDU 573, 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.

EDU 578 STUDENT TEACHING -MILD/MODERATE EDUCATIONAL NEEDS (Ages 5-21) 5 credit hours

Prerequisites: All Methods and Mild/Moderate Educational Needs Courses. Required of all License+Master's candidates.

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

Prerequisites: All Mild/Moderate Educational Needs Courses

Guided teaching of students with mild/moderate educational needs in a supervised setting during the summer. (75 hours clinical experience required.)

EDU 594 REMEDIATION ACROSS THE CURRICULUM 3 credit hours

Required of all Mild/Moderate Educational Needs candidates. Prerequisites: EDU 573, 574, 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.

Educational Technology Specialization

EDU 515 DIGITAL MEDIA PRODUCTION 3 credit hours

Prerequisite: EDU 514

Digital Media Production is a course for K-12 teachers in the pre-production, production and postproduction of the following forms of digital media: Video, Audio, Television.

All three forms of this media will be in the context of K-12 classroom technology integration into existing curriculum (Ohio Technology content standards).

EDU 516 TECHNOLOGY INTEGRATION: MULTIMEDIA AND INSTRUCTIONAL DESIGN 3 credit hours

Prerequisite: EDU 514

The focal point of this course is the integration of technology through the use of multimedia as a method to address students' learning styles. Some topics, including 21st Century learning skills, to be discussed in human-computer interaction are user-centered design, social aspects of computing, computer-supported cooperative work and creative and effective educational design of multimedia. Candidates will create media products, including, but not limited to web pages and student portfolios. This course develops instructional systems design competencies appropriate for the development of computer-assisted instruction applications. Web-based and interactive video classroom modeling will be an integral part of the course as well as field application.

EDU 517 TECHNICAL ISSUES IN EDUCATIONAL TECHNOLOGY - PLANNING AND IMPLEMENTATION 3 credit hours

Prerequisite: EDU 514

This course provides candidates with the technical issues facing technology-rich school environments. Topics to be dealt with in the course are classroom technology maintenance, basic computer workings, simple programming, understanding the school building and district network systems and the emerging role of interactive video systems on the classroom learning environment. The student will develop programming to provide training for school personnel in the many facets of technology applications and enrichment. Web-based and interactive video classroom modeling will be an integral part of the course as well as field application.

EDU 518 EMERGING ON-LINE CLASSROOM: WEB-BASED CLASSROOM AND INTERACTIVE VIDEO 3 credit hours

Prerequisite: EDU 514

This course investigates the many technological tools and methodologies of web-based and interactive video based classroom education. Topics such as two-way and four-way video teleconference courses, electronic field trips in the classroom, desktop video-conferencing, simulation education, web-based synchronous and asynchronous educational tools, and virtual school on the worldwide web. Web-based and interactive video classroom modeling will be an integral part of the course as well as field application.

EDU 520 ISSUES IN EDUCATIONAL TECHNOLOGY 3 credit hours

Prerequisites: EDU 514, 516, 517, 518

A culminating experience in educational technology that integrates and extends the content of other specialization courses. Some topics to be covered are computer privacy, censorship, online assessment, assistive technology, copyright, emerging technologies, ethics and grantsmanship. Web-based and interactive video classroom modeling will be an integral part of the course as well as well as field applications. Topics will vary with terms.

EDU 525 EDUCATIONAL TECHNOLOGY FIELD EXPERIENCE I 2 credit hours

Prerequisites: EDU 514 and two of the following: EDU 515, 516, 518

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 college and school personnel to meet three major components of the ISTE standards: Leadership in Technology, Workplace Applications, and Instructional Design and Development. 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. Activities will then further their understanding of educational technology theory practice and to experience the practical aspects of technology facilitation.

EDU 526 EDUCATIONAL TECHNOLOGY FIELD EXPERIENCE II 2 credit hours

Prerequisites: EDU 514 and two of the following: EDU 515, 516, 518

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 college and school personnel to meet three major components of the ISTE standards: Leadership in Technology, Workplace Applications, and Instructional Design and Development. The goal of the field experience is to allow candidates to further their understanding of educational technology theory/practice and to experience the practical aspects of technology facilitation. Candidates enrolled in Field Experience II will continue the field experiences planned from the first semester and assemble the required field portfolio.

EDU 527 EDUCATIONAL TECHNOLOGY FIELD EXPERIENCE 1 credit hour

This field experience is directly tied to Educational Technology course(s): EDU 515, EDU 516, EDU 517, EDU 518. Candidates must register for EDU 527 during each term that they are enrolled in either EDU 515, 516, 517 or 518. Field assignments come directly from activities and projects in each course and are overseen by the course instructors.

School Leadership Specialization

EDU 580 INTRO TO SCHOOL LEADERSHIP

3 credit hours

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

Required of all School Leadership candidates

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

Required of all School Leadership candidates. Prerequisites: EDU 580, 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

Required of all School Leadership candidates. Prerequisites: EDU 580, 581, 582. 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

Required of all School Leadership candidates. Prerequisites: EDU 580, 581, 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

Required of all School Leadership candidates. Prerequisites: EDU 580, 581, 582, 583, 584. 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 586/587 SCHOOL LEADERSHIP INTERNSHIP I & II **3 credit hours each**
Required of all School Leadership candidates. Prerequisites: EDU 580, 581, 582, 583, 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 college supervisor.

EDU 588 MANAGEMENT OF RESOURCES **3 credit hours**
Required of all School Leadership candidates. Prerequisites: EDU 580, 581, 582, 583, 584, 585, 586. 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**
Required of all School Leadership candidates. Prerequisites: 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.

Teaching and Learning Specialization

EDU 516 TECHNOLOGY INTEGRATION: MULTIMEDIA AND INSTRUCTIONAL DESIGN **3 credit hours**

Required of all Teaching & Learning candidates. Prerequisite: EDU 514

The focal point of this course is the integration of technology through the use of multimedia as a method to address students' learning styles. Some topics, including 21st Century learning skills, to be discussed in human-computer interaction are user-centered design, social aspects of computing, computer-supported cooperative work and creative and effective educational design of multimedia. Candidates will create media products, including, but not limited to web pages and student portfolios. This course develops instructional systems design competencies appropriate for the development of computer-assisted instruction applications. Web-based and interactive video classroom modeling will be an integral part of the course as well as field application.

EDU 541 FOUNDATIONS OF READING & LANGUAGE ARTS **3 credit hours**
Required of all Reading 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 AREAS 3 credit hours

Required of all Reading candidates. Prerequisite: EDU 541

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 581 TEACHING & LEARNING 3 credit hours

Required of all Teaching & Learning candidates

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 596 CULTURALLY RESPONSIVE CURRICULUM & INSTRUCT. 3 credit hours

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

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

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.

Leadership in Higher Education Program

EDU 511 EDUCATIONAL RESEARCH 3 credit hours

Required of all Leadership in Higher Education candidates

This course is an introduction to research with emphasis on research techniques, reporting, and interpreting educational research. The student will have the opportunity to relate educational research to classroom practice.

EDU 521,522,523,524 LEADERSHIP IN HIGHER EDUC INTERNSHIP I-IV 4 credits each

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, college liaison and candidate using a common rubric reflecting program outcomes.

- EDU 560 HISTORY/PHILOSOPHY OF HIGHER EDUCATION 3 credit hours**
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**
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 college 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**
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 564 ETHICAL LEADERSHIP IN HIGHER EDUCATION 3 credit hours**
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 566 DIVERSITY IN HIGHER EDUCATION 3 credit hours**
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 under-represented 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 college experience for all students. Required for interns in Residence Life.
- EDU 568 STUDENT OUTCOMES FROM COLLEGE EXPERIENCE 3 credit hours**
Required of all Leadership in Higher Education candidates
 An overview of the research on the impact of college/university experiences on traditional and non-traditional students. Included is an exploration of those factors that enhance the experience and those that create barriers to student success. Included are findings on successful retention strategies. Students will develop programs or interventions that address the needs of students as identified in the research.
- 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 college 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**
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 2 credit hours
A field experience in a student affairs setting. The experience is project-based to allow for an in-depth understanding on one or more functions of the department. Twenty clock hours required.

EDU 572 PRACTICUM IN ACADEMIC AFFAIRS 2 credit hours
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. Twenty clock hours required.

Optional Education Division Courses

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 563 SEMINAR
Course offerings in special areas of concentration as needed and proposed—possible topics: reading, school administration, mild/moderate educational needs, middle school, technology.

EDU 565 WORKSHOP
Topics to be announced. May be used for renewing certification.

MASTER OF BUSINESS ADMINISTRATION

MBA classes are held on the Baldwin-Wallace College campus in Berea, Ohio and at our satellite facility in Beachwood, Ohio. On-campus classes are usually held in Kamm Hall with immediately adjacent available parking.

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 will be considered to be satisfied for candidates who have already received a masters or doctorate degree in another field or for individuals with particularly strong undergraduate academic performance.
- A completed application either in hard copy or on-line.
- 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.
- A current brief resume focused on career and professional development and accomplishments in addition to leadership experiences in both work and community activities.

International students must also provide a financial support statement and a TOEFL score of 523 (written) or 193 (computer), or an acceptable GMAT score.

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 potential dismissal from the program. A student may petition the Program Director for readmission. Such readmission shall be at the discretion and subject to the conditions established by the Director.

An incomplete grade received during a given semester must be completed by a date agreed upon by the instructor but no later than the end of the next semester in which the student is enrolled. If no grade is reported by that time, the grade will be recorded as failure. In unusual circumstances, the instructor may request an extension of the established due date subject to written approval of the Program Director.

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 College. 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, upon petition to the Program Director.
- IMBA students whose first language is English must complete the foreign language requirement.

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 College (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, B-W 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 Stafford Loan program. A Stafford 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 Stafford 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.

Master of Business Administration in Systems Management

The Master of Business Administration in Systems Management Program 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.

Curriculum

The MBA program includes a minimum of 40 credit hours of course work, not including any required foundation courses. Classes are offered weeknights during three semesters in the calendar year. Participants can complete the sequence of 12 core classes and four hours of elective seminars in two years if they choose, but the pace at which students proceed through the curriculum is flexible to accommodate individual student needs. Each core class meets one evening per week for 12 weeks for a period of three hours and 10 minutes. The elective seminars typically meet for three hours and ten minutes one night per week over a three week term. The three-week terms for elective seminars are scheduled at the start of the Fall and Spring semesters prior to the beginning of the 12-week core class schedule. Students may be required to complete all or some of the foundation courses before the regular core course sequence.

Core Requirements

BUS	501	Systems Management and Organizational Theory
BUS	509	Organizational Behavior
BUS	524	Management Science/ Computer Models
BUS	545	Financial Management
BUS	548	Accounting and Finance Management
BUS	551	Marketing and Marketing Information Systems
BUS	581	Macroeconomics for Management
BUS	600	Power, Ethics and Society
BUS	624	Operations Analysis
BUS	625	Multinational Corporations & International Trade
BUS	632	Information Systems for Management
BUS	670	Management Policy and Systems Analysis

Four hours of seminar credits are required (BUS 655).

Master of Business Administration in Accounting

The Master in Business Administration in Accounting Program (AMBA) is designed both for B-W undergraduate students who want to earn a joint BA/MBA degree and for those who already possess a Bachelor's degree and would like to enhance their financial management skills or meet the educational requirements to sit for the CPA examination in Ohio. The AMBA Program provides both the technical accounting and financial management skills and broad functional business background necessary to succeed in a challenging financial management career. The program is unique in that it contains an entire course on ethical issues in business and society and a capstone course in controllership. All courses are taught by faculty having the appropriate academic credentials, real world on-the-job experience, and professional certification where appropriate. Courses are based on the systematic approach to leadership and management, and uniquely combine the teaching of business theory and its practical application to the day-to-day work environment facing the student.

Curriculum

The AMBA program requires 36 credit hours of coursework, not including any required foundation courses. The 36 credit hours include a 15 credit hour core, an 18 credit hour elective portion, and a three credit hour capstone course in controllership. Classes are offered both during the day and weeknights during three semesters in the calendar year. Full-time participants can complete the sequence of 12 core classes in one calendar year. However, the pace at which students proceed through the curriculum is flexible so as to accommodate individual student needs. Each core class and the capstone controllership class meet one evening per week for 12 weeks for a period of three hours and 10 minutes. The elective courses may meet two or three times a week during the day or meet one night per week over a 15 week term during the fall or spring semester.

Foundation Requirements:

Principles of Financial and Managerial Accounting
Intermediate Accounting I and II
Corporate (Managerial) Finance
Statistics
Auditing (can be taken as a program elective)

AMBA Core: 5 courses from either the current MBA or IMBA program:

BUS 501 Systems Management & Organizational Theory
BUS 624 Operations Analysis
BUS 650 International Financial Management

BUS 551 Marketing **OR**
BUS 630 International Marketing

BUS 600 Power, Ethics, & Society **OR**
BUS 660 The Political and Social Responsibilities of the MNC

Electives: 6 courses chosen from the following:

BUS 507 Federal Income Taxation
BUS 508 Federal Taxation: Corporations, Partnerships, Estate and Trusts
BUS 516 Cost Accounting & Analysis
BUS 517 Financial Management
BUS 518 Governmental and Nonprofit Accounting
BUS 519 Auditing
BUS 520 Accounting Systems
BUS 521 Advanced Accounting
BUS 528 Business Law
BUS 555 Principles of Investments
BUS 558 Business Communications
BUS 563 Seminar (Topics may vary each year)
BUS 578 Principles of Fraud Examination

Capstone Course:

BUS 680 Controllership

Master of Business Administration in Entrepreneurship

The Master of Business Administration in Entrepreneurship (ENTMBA) is a program designed for individuals interested in developing their entrepreneurial potential. In today's business environment it is essential for leaders to focus on innovative value-based solutions, to develop their creative problem-solving skills and to perceive change as an opportunity. Individuals leading a small, privately held firm, a nonprofit organization or individuals working in larger public corporations will benefit from developing their entrepreneurial leadership abilities.

Students will learn...and experience...entrepreneurship. Through field studies, personal interviews with successful entrepreneurs and acting as consultants to individuals creating new ventures, students apply entrepreneurial thinking. The curriculum, developed in collaboration with successful entrepreneurs and business leaders, is taught with Baldwin-Wallace College's distinctive combination of theory and practical application.

Curriculum

The ENTMBA program includes a minimum of 40 credit hours of course work, not including any required foundation courses. Classes are offered weeknights during three semesters in the calendar year. Participants can complete the sequence of 12 core classes and four hours of elective seminars in two years if they choose, but the pace at which students proceed through the curriculum is flexible to accommodate individual student needs. Each core class meets one evening per week for 12 weeks for a period of three hours and 10 minutes. The elective seminars typically meet for three hours and ten minutes one night per week over a three week term. The three-week terms for elective seminars are scheduled at the start of the Fall and Spring semesters prior to the beginning of the 12-week core class schedule. Students may be required to complete all or some of the foundation courses before the regular core course sequence.

Core Requirements

BUS	501	Systems Management and Organizational Theory
BUS	509	Organizational Behavior
BUS	524	Management Science/ Computer Models
BUS	545	Financial Management
BUS	548	Accounting and Finance Management
BUS	551E	Entrepreneurial Marketing
BUS	581	Macroeconomics for Management
BUS	600	Power, Ethics and Society
BUS	624E	Managing Business Operations
BUS	625E	Creating a Business Plan
BUS	632E	Deploying Information Technology for Competitive Advantage
BUS	670E	Managing a Growing Business

Four hours of seminar credits are required. Topics include, Entrepreneurial Immersion, Entrepreneurial Field Study, Business Plan Clinic and one elective seminar.

Master of Business Administration in Executive Management

Baldwin-Wallace College's Executive MBA (EMBA) program is designed for business executives who seek to obtain a formal graduate degree without interrupting their careers or interfering with weekday office or travel obligations. The program offers a value-based practical approach to developing a systematic understanding of management and strategy which is essential to the success of business executives in a rapidly changing global environment.

EMBA 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 twofold purpose, allowing the intervening and holiday weekends unencumbered while solving the problems of executives whose full-time managerial responsibilities include heavy midweek commitments. The cohort-based, two-day schedule enhances the opportunities for sharing experiences and building camaraderie among students.

Class sizes are small to promote communication among executives and faculty. The executive takes all of the required courses over a two-year period in an integrated "single track" curriculum. The courses are offered in two nine-weekend semesters per year. Two hours of elective seminars are required.

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

7:30 a.m. - 8:30 a.m.	Breakfast
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

Each academic year consists of two semesters with three courses in each semester. In the second year, BUS 765 and BUS 870 each meet for the entire year. The foundation and core courses are three semester hours each; most elective seminars are one semester hour each. The total requirement for completing the Executive M.B.A. is 38 semester hours - 12 three-hour courses and two hours of elective seminars. The sequence in which the core courses are scheduled is:

Semester I: Fall

- BUS 701 Organizational Theory & the Systems Approach to Management
- BUS 742 Micro Organizational Behavior
- BUS 748 Financial Management

Semester II: Spring

- BUS 705 Accountability of Financial Resources
- BUS 711 Senior Management Issues
- BUS 747 Operations Management

Semester III: Fall

- BUS 760 The Marketing Environment
- BUS 765 Macro Organizational Behavior (one half)
- BUS 771 The Economic System
- BUS 870 Policy Formulation and Strategic Management (one half)

Semester IV: Spring

- BUS 765 Macro Organizational Behavior (one half)
- BUS 781 Global Management & Multinational Business Operations
- BUS 800 Power and Ethics in the Management of Organizations
- BUS 870 Policy Formulation and Strategic Management (one half)

During the second year, each EMBA team of usually 4-5 students will participate in a project involving strategic business consultation with an area company. This consulting activity is integrated into the classroom work of the second year curriculum.

Master of Business Administration in Health Care Management

Baldwin-Wallace College's Health Care MBA (HC MBA) program is designed for health care professionals who seek a formal graduate degree without interrupting their careers or interfering with weekday office or travel obligations.

HC MBA 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 the health care organization 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 Baldwin-Wallace College in Berea.

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

7:30 a.m. - 8:30 a.m.	Breakfast
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 Health Care MBA consists of an initial semester of courses (those courses with a BUS 500 number) required of applicants whose undergraduate degree or work experience have not included these business fundamentals. The foundation courses are scheduled in the fall semester. The program of 12 core business courses and two year long courses, introduction to American Health Care and Health Care Policy and Law, commence in the spring semester. 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
BUS 500Q Quantitative Analysis

Semester I:

BUS 701 Organizational Theory & the Systems Approach to Management
BUS 748 Financial Information Analysis & Control
BUS 757 Intro to American Health Care
BUS 771 Economics

Semester II:

BUS 705 Accounting
BUS 709 Micro-Organizational Behavior
BUS 747 Operations Management
BUS 757 Intro to American Health Care

Semester III:

BUS 711 Information Systems Management
BUS 750 Topics in Financial Management
BUS 758 Health Care Policy & Law
BUS 760 The Marketing Environment

Semester IV:

BUS 758 Health Care Policy & Law
BUS 765 Macro-Organizational Behavior
BUS 800 Power & Ethics
BUS 870 Policy Formulation & Strategic Management

Master of Business Administration in Human Resources

The Masters of Business Administration in Human Resources (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 College as aligning with the professional guidelines and requirements.

The program is designed for the working adult with evening classes. Students completing 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.

Curriculum

The HRMBA program includes a minimum of 37 credit hours of course work, not including any required foundation courses. Classes are offered weeknights during three semesters in the calendar year. Participants can complete the sequence of 11 core classes and four hours of elective seminars in two years if they choose, but the pace at which students proceed through the curriculum is flexible so as to accommodate individual student needs. Each core class meets one evening per week for 12 weeks for a period of three hours and 10 minutes. The elective seminars typically meet for three hours and ten minutes one night per week over a three week term. The three-week terms for elective seminars are scheduled at the start of the Fall and Spring semesters prior to the commencement of the 12-week core class schedule. Students may be required to complete all or some of the foundation courses before the regular core course sequence.

Core Requirements

BUS	501	Systems Management and Organizational Theory
BUS	509	Organizational Behavior
BUS	510	Human Resource Management
BUS	511	Compensation
BUS	512	Employment Law
BUS	513	Staffing and Development
BUS	545	Financial Management
BUS	551	Marketing Management
BUS	600	Power, Ethics & Society
BUS	632	Information Systems
BUS	670	Management Policy and Systems Analysis

Four hours of seminar credits are required (BUS 655).

Master of Business Administration in International Business

The Masters of Business Administration Program in International Business (IMBA) is designed for working individuals who already possess a Bachelor's degree and have embarked upon a business career. For the past twenty years, this program, the first of its kind in Ohio, has delivered a program in international management designed to prepare graduates to succeed in the rapidly changing business environment of the 21st century.

International Students

It shall be the responsibility of each international student to ensure that their course schedules and program requirements are in total compliance with all USCIS (U.S. Citizenship and Immigration Services) regulations. Each international student must maintain full-time status unless given prior authorization by a DSO (Designated School Official). A DSO is different from your faculty academic advisor. Any international student that desires to participate in Optional Practical Training must submit their OPT application before the completion date of their course of study. All international students are strongly encouraged to submit their applications for OPT as early as possible during their final semester. Please direct your questions to the IMBA Program Coordinator.

Professional Experience

The IMBA program at Baldwin-Wallace College requires demonstrated professional experience of each of its graduates. Satisfaction of this requirement may be documented in the following ways:

- Prior experience as documented by a letter, resume or interview;
- approved graduate assistantship;
- internship

Assistantship

Baldwin-Wallace College emphasizes practical experience in its graduate business programs by providing the opportunity for all qualifying full-time students to participate in a Graduate Assistantship Program. The Assistantship Program is intended to contribute to the professional development of students in the International MBA Program.

To be eligible for an assistantship students must meet the following criteria:

- Full-time enrollment status;
- clear evidence of academic achievement;
- two recommendation letters stating performance and promise;
- TOEFL or GMAT score of at least 550.

Graduate Assistantships will be supervised by B-W faculty or staff members and will include the following:

- An award of a tuition credit of US \$1250 per semester;
- eligibility for four semesters;
- continued eligibility requires continuing good academic standing and satisfactory performance;
- graduate assistants will work approximately six-to-ten hours per week.

Curriculum

Students may be required to complete all or some of the foundation courses before the regular core course sequence.

Core Requirements

BUS	610	Financial Management
BUS	612	Microeconomics/International Trade
BUS	620	Management Science
BUS	622	Macroeconomics
BUS	626	International Market Research
BUS	630	International Marketing Strategy
BUS	640	International Management
BUS	642	Intercultural Communication
BUS	650	International Financial Management
BUS	652	Strategic Logistics Management
BUS	660	The Political & Social Responsibilities of the Multinational Corporation
BUS	661	Managing Multinational Projects: A Strategic Management Approach

Four hours of seminar credits are required (BUS 655).

Six hours of Foreign Language. This requirement may be met with undergraduate or graduate courses from any accredited college or university or by submitting evidence of equivalent training. Students may test out of this requirement.

Master of Business Administration in Sustainability

Curriculum

The SMBA program includes a minimum of 37 credit hours of course work, not including any required foundation courses. Classes are offered weeknights during three semesters in the calendar year. Participants can complete the sequence of 12 core classes and one hour of elective seminar in two years if they choose, but the pace at which students proceed through the curriculum is flexible so as to accommodate individual student needs. Each core class meets one evening per week for 12 weeks for a period of three hours and 10 minutes. The elective seminar typically meets for three hours and ten minutes one night per week over a three week term. The three-week terms for elective seminars are scheduled at the start of the Fall and Spring semesters prior to the commencement of the 12-week core class schedule. Students may be required to complete all or some of the foundation courses before the regular core course sequence.

Core Requirements

BUS	501	Systems Management and Organizational Theory
BUS	509	Organizational Behavior
BUS	545	Financial Management
BUS	548	Accounting and Finance Management
BUS	551	Marketing and Marketing Information Systems
BUS	552	Environmental Science and Regulation for Sustainable Business
BUS	553	Introduction to Sustainable Business
BUS	581	Macroeconomics for Management
BUS	624	Operations Analysis
BUS	662	Sustainable Products and Services
BUS	663	Integrative Sustainable Venture Plan
BUS	670	Management Policy and Systems Analysis

One hour of seminar credit is required (BUS 655).

Master of Business Administration Course Descriptions

Foundation Course Descriptions

The following courses provide a foundation for the MBA program for individuals with limited business training. The Division suggests that students discuss their academic background with the Program Director prior to making a decision to enroll in any of these classes. These courses are three semester credit hours but do not count toward the MBA degree requirement. Individuals who do not have sufficient background in financial accounting or quantitative methods may be required to take one or both of these courses.

BUS 500A FINANCIAL ACCOUNTING

Three credit hours

This course develops a working knowledge of the basic accounting system. The primary focus is on financial accounting by the business entity. Students learn to read and understand the four standard financial reports: the balance sheet, income statement, statement of cash flows, and statement of retained earnings with emphasis on their implications for management.

BUS 500Q QUANTITATIVE ANALYSIS

Three credit hours

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.

Master in Business Administration in Systems Management Course Descriptions

A logical progressive sequence is followed in the course offerings. Because of the general systems approach, it is necessary for the student to follow the sequence as outlined. Students may not go out of sequence or take more than two evening courses in any semester without the approval of the appropriate program director. All required courses are three credit hours each, and the sequence of presentation is as follows:

BUS 501 SYSTEMS MANAGEMENT & ORGANIZATIONAL THEORY

Three credit hours

This course focuses on general systems concepts and the systems management approach to organizations. Students acquire a greater understanding of the interdependence of and interrelationships between elements of a system and its environment. Selected organizational and managerial issues or problems are diagnosed from a system and organizational theory perspective, and solutions are developed that reflect a systemic outlook. Opportunities are provided for applying systems thinking to the students own career or work situation.

BUS 509 ORGANIZATIONAL BEHAVIOR

Three credit hours

Prerequisite: BUS 501

This course provides an analysis of behavioral science approaches to organizations stressing the implications of theoretical concepts on managerial practice. Topics include functions and dysfunctions of bureaucracy, individual needs and organization requirements, group processes, and organizations as systems. Basic concepts used to study special topics are conflict management, leadership, communications, and organizational change and development.

BUS 524 MANAGEMENT SCIENCE/COMPUTER *Three credit hours*
MODELS

This course expands the general manager's knowledge of 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 545 FINANCIAL MANAGEMENT *Three credit hours*

Working capital management, investment decisions, cost of capital, and long-term financial decisions are the focus of this course. The method of presentation takes account of theory, application, and integration into the general systems approach.

BUS 548 ACCOUNTING AND FINANCE MANAGEMENT *Three credit hours*

This course is a study of accounting information for managerial decision-making. Emphasis is on cost behaviors and cost accounting systems applied to management models. Concepts include job-order costing, cost-volume-profit analysis, activity based costing, profit planning, and variance analysis.

BUS 551 MARKETING AND MARKETING INFORMATION *Three credit hours*
SYSTEMS

This course focuses on problems of the marketing manager in the measurement of marketing opportunities and the allocation of marketing resources. A variety of strategic and tactical subjects with which marketing management must deal to maintain effective marketing operations are developed in this class. Examples include the marketing concept, buyer behavior, product decisions, promotional decisions, pricing policy, channel management, and building an MIS program. Emphasis is on problems confronting managers and analysis techniques using computers and information systems.

BUS 581 MACROECONOMICS FOR MANAGEMENT *Three credit hours*

This course helps participants develop skill in understanding the operation of the United States economy, anticipating the impacts to government policies and other influences on the economy, and understanding the influence of the economy on the individual firm.

BUS 600 POWER, ETHICS, AND SOCIETY *Three credit hours*

This course examines the social, ethical, sustainability, and leadership responsibilities of systems managers in relation to the stakeholders affected by managerial decisions-especially customers, the work force, shareholders, and society (including government). Students examine the acquisition and use of power inside and outside the organization through contemporary cases.

BUS 624 OPERATIONS ANALYSIS *Three credit hours*

This course deals with production and operational subsystems from the perspective of general and operations management. Operations analysis tools and methodology are presented in detail to assist in designing, planning, and controlling manufacturing and service operations. This course includes analysis and application of PERT/CPM, inventory control, queuing, and quality management.

BUS 625 MULTINATIONAL CORPORATIONS & *Three credit hours*
INTERNATIONAL TRADE

This course provides a systematic presentation of the multinational enterprise as the dominant privately owned institution in international trade and investment. Political and economic dimensions of international trade as related to the multinational enterprise are considered. The course is presented in three parts: theory, policy, and enterprise.

BUS 632 INFORMATION SYSTEMS FOR MANAGEMENT *Three credit hours*

This course establishes a basic understanding for developing management information systems that provide reliable and valid information for managers of diverse functions. In addition, the course includes computer- and non-computer-based case histories. A review of corporate structure in a traditional organization and the impact of the design of information systems on the corporate structure and its subsystems are the main thrust of this course.

BUS 670 MANAGEMENT POLICY & SYSTEMS ANALYSIS *Three credit hours*

This capstone course represents the culmination of the student's MBA program. The science of strategic analysis and strategic management is taught along with competitive assessment, strategic planning, and overall enterprise management. The student learns within the classroom environment to apply this knowledge to a company that is a major player in its industry. 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.

MBA Elective Seminars

Elective seminars will be offered during a three-week term in the Fall and Spring semesters. These seminars will cover topics of current interest or provide in-depth coverage of selected topics from the core courses. The majority of the seminars will be assigned one semester hour of credit and will meet for three hours and ten minutes one night per week for a three-week period. Seminars will occasionally be given greater credit because of required travel, additional class-time, or extensive out-of-class assignments. Seminars will not be offered during the summer.

Master of Business Administration in Accounting Course Descriptions

BUS 501 SYSTEMS MANAGEMENT & ORGANIZATIONAL THEORY *Three credit hours*

This course focuses on general systems concepts and the systems management approach to organizations. Students acquire a greater understanding of the interdependence of and interrelationships between elements of a system and its environment. Selected organizational and managerial issues or problems are diagnosed from a system and organizational theory perspective, and solutions are developed that reflect a systemic outlook. Opportunities are provided for applying systems thinking to the students own career or work situation..

BUS 551 MARKETING AND MARKETING INFORMATION SYSTEMS *Three credit hours*

This course focuses on problems of the marketing manager in the measurement of marketing opportunities and the allocation of marketing resources. A variety of strategic and tactical subjects with which marketing management must deal to maintain effective marketing operations are developed in this class. Examples include the marketing concept, buyer behavior, product decisions, promotional decisions, pricing policy, channel management, and building an MIS program. Emphasis is on problems confronting managers and analysis techniques using computers and information systems.

BUS 600 POWER, ETHICS, AND SOCIETY *Three credit hours*

This course examines the social, ethical, sustainability, and leadership responsibilities of systems managers in relation to the stakeholders affected by managerial decisions-especially customers, the work force, shareholders, and society (including government). Students examine the acquisition and use of power inside and outside the organization through contemporary cases.

BUS 624 OPERATIONS ANALYSIS**Three credit hours**

This course deals with production and operational subsystems from the perspective of general and operations management. Operations analysis tools and methodology are presented in detail to assist in designing, planning, and controlling manufacturing and service operations. This course includes analysis and application of PERT/CPM, inventory control, queuing, and quality management.

BUS 630 INTERNATIONAL MARKETING STRATEGY**Three credit hours**

The emphasis in this course is on developing international marketing strategies. Alternatives in product, pricing, promotion, and distribution strategies are discussed. Case studies are used extensively.

BUS 650 INTERNATIONAL FINANCIAL MANAGEMENT**Three credit hours**

The traditional areas of corporate finance are studied from the perspective of decisions peculiar to a global corporation. These perspectives include dealing with multiple currencies, frequent exchange rate changes, differing rates of inflation, multiple money markets, segmented capital markets, constraints on ownership and the return of invested capital and earnings, and political risks of expropriation, nationalization, or counter-trade arrangements.

AMBA Electives**BUS 507 FEDERAL INCOME TAXATION****Three credit hours**

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.

BUS 508 FEDERAL TAXATION: CORPORATIONS, PARTNERSHIPS, ESTATE AND TRUSTS**Three credit hours**

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.

BUS 516 COST ACCOUNTING AND ANALYSIS**Three 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.

BUS 517 FINANCIAL MANAGEMENT**Three 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 518 GOVERNMENTAL AND NONPROFIT ACCOUNTING **Three 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.

BUS 519 PRINCIPLES OF AUDITING**Three credit hours**

This course emphasizes auditing concepts and applications that enable students to understand the philosophy and environment in public accounting ethics, auditing standards, opinions on the financial statements.

BUS 520 ACCOUNTING SYSTEMS**Three credit hours**

A survey of information technology and its application to accounting issues. Students will solve problems using electronic spreadsheets, word processors, and the internet. Students will develop an understanding of the information gathering, data accumulation and reporting requirements of various accounting software programs.

BUS 521 ADVANCED ACCOUNTING**Three credit hours**

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.

BUS 528 BUSINESS LAW**Three credit hours**

A study of law applicable to commercial transactions, property, debtor and creditor relationships as well as wills and trusts. Recommended for accounting emphasis.

BUS 555 PRINCIPLES OF INVESTMENTS**Three credit hours**

This course emphasizes techniques of security analysis, evaluation of portfolios and investment strategies including the use of derivatives.

BUS 558 BUSINESS COMMUNICATIONS**Three 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**Three 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 578 PRINCIPLES OF FRAUD EXAMINATION**Three credit hours**

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.

AMBA Capstone**BUS 680 CONTROLLERSHIP****Three credit hours**

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.

**Master in Business Administration in Entrepreneurship
Course Descriptions**

A logical progressive sequence is followed in the course offerings. Because of the general systems approach, it is necessary for the student to follow the sequence as outlined. Students may not go out of sequence or take more than two evening courses in any semester without the approval of the director of the MBA program. Required courses are three credit hours each, and the sequence of presentation is as follows:

BUS 501 SYSTEMS MANAGEMENT & ORGANIZATIONAL THEORY *Three credit hours*

This course focuses on general systems concepts and the systems management approach to organizations. Students acquire a greater understanding of the interdependence of and interrelationships between elements of a system and its environment. Selected organizational and managerial issues or problems are diagnosed from a system and organizational theory perspective, and solutions are developed that reflect a systemic outlook. Opportunities are provided for applying systems thinking to the students own career or work situation.

BUS 509 ORGANIZATIONAL BEHAVIOR *Three credit hours*

Prerequisite: BUS 501

This course provides an analysis of behavioral science approaches to organizations stressing the implications of theoretical concepts on managerial practice. Topics include functions and dysfunctions of bureaucracy, individual needs and organization requirements, group processes, and organizations as systems. Basic concepts used to study special topics are conflict management, leadership, communications, and organizational change and development.

BUS 524 MANAGEMENT SCIENCE/COMPUTER MODELS *Three credit hours*

This course expands the general managers knowledge of 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 545 FINANCIAL MANAGEMENT *Three credit hours*

Working capital management, cash flow analysis, investment decisions, cost of capital, traditional and non-traditional sources of capital and long-term financial decisions are the focus of this course. The method of presentation takes account of theory, application and integration into the general systems approach.

BUS 548 ACCOUNTING AND FINANCE MANAGEMENT *Three credit hours*

This course is a study of accounting information for managerial decision-making. Emphasis is on cost behaviors and cost accounting systems applied to management models. Concepts include job-order costing, cost-volume-profit analysis, activity based costing, profit planning, and variance analysis.

BUS 551E ENTREPRENEURIAL MARKETING *Three credit hours*

This course focuses on methods of achieving marketing objectives in spite of limited resources. A variety of strategic and tactical subjects with which entrepreneurs must deal to maintain effective marketing operations are developed in this class. Examples include the marketing concept, developing a competitive distinction, understanding buyer behavior, channel management, pricing policy and building a supporting information system.

BUS 581 MACROECONOMICS FOR MANAGEMENT *Three credit hours*

This course helps participants develop skill in understanding the operation of the United States economy, anticipating the impacts to government policies and other influences on the economy, and understanding the influence of the economy on the individual firm.

BUS 600 POWER, ETHICS, AND SOCIETY *Three credit hours*

This course examines the social, ethical, sustainability, and leadership responsibilities of systems managers in relation to the stakeholders affected by managerial decisions-especially customers, the work force, shareholders, and society (including government). Students examine the acquisition and use of power inside and outside the organization through contemporary cases.

BUS 624E MANAGING BUSINESS OPERATIONS *Three credit hours*

This course deals with systems and models that enable the entrepreneur to maximize their business operating environment. Operations analysis tools and methodology are presented in detail to assist in designing, planning, and controlling operations. The course includes analysis and application of inventory models, Microsoft project management, forecasting, feasibility studies and cost benefit analysis.

BUS 625E CREATING A BUSINESS PLAN *Three credit hours*

The course will analyze how a business plan can be an indispensable management tool that provides the foundation for growth that is achieved by starting a new venture, expansion of a product line or acquiring an existing business. A comprehensive business plan will be developed and presented to a panel of business executives and entrepreneurs.

**BUS 632E DEPLOYING INFORMATION TECHNOLOGY FOR *Three credit hours*
COMPETITIVE ADVANTAGE**

This course establishes a basic capacity for developing management information systems that provide reliable and valid information for managers of diverse functions. Content focuses on using information technology to improve customer service, improve rational thinking and decision-making, establishing pricing methodologies and creating internet distribution channels.

BUS 670E MANAGING A GROWING BUSINESS *Three credit hours*

The course provides students with the opportunity to solve complex problems by integrating the theoretical and practical knowledge acquired in previous courses. Issues related to managing a growing company will be analyzed. Topics include those related to changing organizational structures, measuring economic performance, developing management control systems and the changing role of the entrepreneur.

Experiential Learning Seminars

ENTREPRENEURIAL IMMERSION *One credit hour*

This seminar immerses the individual in the entrepreneurial experience by exposing students to practicing entrepreneurs. They will gain a firsthand awareness of the skills, knowledge and behaviors of successful entrepreneurs. Students will conduct an in-depth personal interview with an entrepreneur. Students will learn to see problems as opportunities and understand the various types of innovation. The range of options for capturing opportunities in spite of significant resource constraints and obstacles will be explored. This topical will be taught by an entrepreneur and a B-W faculty member.

ENTREPRENEURIAL FIELD STUDY *One credit hour*

Students will invest a minimum of nine hours working in an entrepreneurial firm experiencing the various roles, decision-making responsibilities and competencies the entrepreneur is required to perform in leading a small, dynamic organization. The student and a faculty advisor will agree on the specific learning objectives, action plans and methods of evaluating the experience.

BUSINESS PLAN CLINIC *One credit hour*

Prerequisite: BUS 551E & BUS 625E

Students will assist the staff in the Clinic in reviewing business plans. Under the direction of experienced students, faculty and an entrepreneur, students will learn the components of a business plan, conduct research to assess new opportunities and communicate with entrepreneurs developing their business plan. Through this experience, students will gain an awareness of the broad-based competencies required to function as an entrepreneur. They will apply a process for evaluating entrepreneurial opportunities while developing their analytical skills, critical thinking skills, written and oral communication skills.

ELECTIVE TOPICAL SEMINAR *One credit hour*

Students will select one elective topical seminar. Elective seminars will be offered during a three-week term in the Fall and Spring semesters. These seminars will cover topics of current interest or provide in-depth coverage of selected topics from the core courses.

BUS 765 MACRO-ORGANIZATIONAL BEHAVIOR *Three 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 *Three 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 781 GLOBAL MANAGEMENT & MULTINATIONAL
BUSINESS OPERATIONS *Three 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 *Three 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 870 POLICY FORMULATION AND STRATEGIC
MANAGEMENT *Three 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.

EMBA Elective Requirements

Elective Management seminars will be offered evenings during a three-week term at the start of the Fall and Spring semesters. These seminars will cover topics of current interest or provide in-depth coverage of selected topics from the core courses. The majority of the seminars will be assigned one semester hour of credit and will meet for three hours and the minutes one night per week for a three-week period. Seminars will occasionally be given greater credit because of required travel, more class-time, or extensive out-of-class assignments. There will also be a summer elective seminar in Project Management that will be scheduled on weekends. Additionally, students may elect to participate in one of the International seminar programs sponsored by the Business Division. These Academic Seminars, to various parts of the world, typically are for 10-15 days. Academic credit may be given with the prior approval of a faculty member and the Program Director.

Master in Business Administration in Health Care Management Course Descriptions

BUS 701 ORGANIZATIONAL THEORY & THE SYSTEMS APPROACH TO MANAGEMENT *Three credit hours*

This course introduces health care students to the systems approach to management. It is an overview of the theories of general systems, systems-thinking, and the systems approach to management. Students apply the systems approach to building systems models of the organizations represented in the class. These models provide an understanding of the interdependencies in health care systems along the entire continuum of care in a variety of health care organizations. Managers will learn to make more effective decisions across formally and informally structured delivery systems plus the various structures in which health care is delivered on an integrated basis.

BUS 705 ACCOUNTABILITY OF FINANCIAL RESOURCES *Three credit hours*

This course shows the student how accounting systems can be designed to provide healthcare managers with useful information for decision-making. Students will use this information in cost-volume-profit and operational and capital budgeting exercises to improve their planning efforts, in learning how to make better operating decisions, and in conducting more meaningful performance analyses. The problems encountered in overhead allocation will be discussed in detail. Quantitative models will be introduced when appropriate, decision-making under uncertainty will be emphasized, and the need for a cost-benefit trade-off analysis will be a central theme in the course.

BUS 709 MICRO-ORGANIZATIONAL BEHAVIOR *Three 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 HEALTH CARE INFORMATION SYSTEMS *Three credit hours*

This course will provide the student with an overview of the health care information systems with a specific focus on "Electronic Medical Records" (EMRs) and the role of health information technology in supporting business decisions. The course will also use case studies that will provide the students opportunity to see the benefits of information technology as well as the benefits of innovation, quality, entrepreneurial thinking, etc on an applied "real world" basis. As part of this case study approach the student will expand their ability to problem-solve and critically analyze pertinent issues that impact health care managers.

BUS 747 OPERATIONS MANAGEMENT *Three credit hours*

This course develops a systems approach to the analysis of senior health care managerial operating problems. Computer, quantitative, and behavioral models are used to formulate operating decisions consistent with a health care organizations competitive strategy.

BUS 748 FINANCIAL INFORMATION ANALYSIS AND CONTROL *Three 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 750 TOPICS IN FINANCIAL MANAGEMENT *Three credit hours*

This course will investigate special topics in financial management such as the lease versus the buy option, bond refunding, mergers, LBOs, divestitures, business failures, activity-based management, and organizational performance. Coverage of topics introduced in earlier financial management courses, e.g., operational and capital budgeting, cost-volume-profit analysis, and working capital management, will be extended. Forecasting, linear programming and simulation techniques from the operations analysis field will be used extensively in this expanded coverage.

BUS 757 INTRO TO AMERICAN HEALTH CARE *One credit hour*

This course explores the history, evolution and current state of health services delivery and financing in the United States. Topics include the components of the system, health services professions, financing mechanisms, the insurance industry, medical technology and the cost, quality, access equation.

BUS 758 HEALTH CARE POLICY & LAW *One 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 *Three credit hours*

The health care organization must deal with strategic and tactical issues if it is to serve its customers effectively. The course places special emphasis on the determination of longer term marketing strategy, the building of shorter term tactics, and the significance marketing has on the strategic direction of the firm. Emphasis is given to new health care competitive issues and applied marketing problems confronting executives today.

BUS 765 MACRO-ORGANIZATIONAL BEHAVIOR *Three 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***Three credit hours***

This course gives students an understanding of how the US economy operates, so that they will understand the national economic environment in which the health care industry operates now and in the future. Descriptions of how the overall economy works 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 in general, and the health care industry in particular, are examined together with the organization of policy-making bodies and the motivations of policy makers.

BUS 800 POWER AND ETHICS IN THE MANAGEMENT OF ORGANIZATIONS***Three 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 870 POLICY FORMULATION & STRATEGIC MANAGEMENT***Three credit hours***

In this course, participants are introduced to the science and art of strategy making and strategy-implementation as applied to healthcare organizations. The systems approach, its key concepts and principles are utilized to explain the underlying logic of strategic management as the ultimate tool for managing change, as well as managing in changing market and industry environment. Specifically course participants are trained in the strategic tools, and the concepts they're based on, necessary for the following managerial skills:

1. formulating a strategic intent,
2. setting performance results,
3. crafting corporate, competitive and functional strategies,
4. planning implementation of crafted strategies, and
5. executing and controlling the organizations total strategic blueprint for steering, instead of drifting, towards its strategic intent.

Participants develop these skills primarily by conducting a comprehensive, real-time strategic analysis of an actual healthcare organization. Additionally, participants also undertake a strategic analysis of their own sector of the healthcare industry, as a means of helping to add value in their current job and to their current employer. The course is the culmination of the two-year process in developing the executive mind of program participants, and uses the integrative logic of strategic management to help pull together the total business education they received in the program.

Master in Business Administration in Human Resources Course Descriptions

BUS 501 SYSTEMS MANAGEMENT & ORGANIZATIONAL THEORY***Three credit hours***

This course focuses on general systems concepts and the systems management approach to organizations. Students acquire a greater understanding of the interdependence of and interrelationships between elements of a system and its environment. Selected organizational and managerial issues or problems are diagnosed from a system and organizational theory perspective, and solutions are developed that reflect a systemic outlook. Opportunities are provided for applying systems thinking to the students own career or work situation.

BUS 509 ORGANIZATIONAL BEHAVIOR

Three credit hours

Prerequisite: BUS 501

This course provides an analysis of behavioral science approaches to organizations stressing the implications of theoretical concepts on managerial practice. Topics include functions and dysfunctions of bureaucracy, individual needs and organization requirements, group processes, and organizations as systems. Basic concepts used to study special topics are conflict management, leadership, communications, and organizational change and development.

BUS 510 HUMAN RESOURCE MANAGEMENT

Three credit hours

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 as labor relations and health and safety are examined. Overall organizational strategy is incorporated into the application of all Human Resource functions.

BUS 511 COMPENSATION

Three credit hours

Prerequisite: BUS 510, or permission of the 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 512 EMPLOYMENT LAW

Three credit hours

Prerequisite: BUS 510

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 513 STAFFING AND DEVELOPMENT

Three credit hours

Prerequisite: BUS 510

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 545 FINANCIAL MANAGEMENT

Three credit hours

Working capital management, investment decisions, cost of capital, and long-term financial decisions are the focus of this course. The method of presentation takes account of theory, application, and integration into the general systems approach.

BUS 551 MARKETING MANAGEMENT

Three credit hours

This course focuses on problems of the marketing manager in the measurement of marketing opportunities and the allocation of marketing resources. A variety of strategic and tactical subjects with which marketing management must deal to maintain effective marketing operations are developed in this class. Examples include the marketing concept, buyer behavior, product decisions, promotional decisions, pricing policy, channel management, and building an MIS program. Emphasis is on problems confronting managers and analysis techniques using computers and information systems.

BUS 600 POWER, ETHICS, AND SOCIETY

Three credit hours

This course examines the social, ethical, sustainability, and leadership responsibilities of systems managers in relation to the stakeholders affected by managerial decisions-especially customers, the work force, shareholders, and society (including government). Students examine the acquisition and use of power inside and outside the organization through contemporary cases.

BUS 632 INFORMATION SYSTEMS FOR MANAGEMENT**Three credit hours**

This course establishes a basic understanding for developing management information systems that provide reliable and valid information for managers of diverse functions. In addition, the course includes computer- and non-computer-based case histories. A review of corporate structure in a traditional organization and the impact of the design of information systems on the corporate structure and its subsystems are the main thrust of this course.

BUS 670 MANAGEMENT POLICY & SYSTEMS ANALYSIS**Three credit hours**

This capstone course represents the culmination of the student's MBA program. The science of strategic analysis and strategic management is taught along with competitive assessment, strategic planning, and overall enterprise management. The student learns within the classroom environment to apply this knowledge to a company that is a major player in its industry. 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.

HRMBA Elective Seminars

Elective Management seminars will be offered during a three-week term in the Fall and Spring semesters. These seminars will cover topics of current interest or provide in-depth coverage of selected topics from the core courses. The majority of the seminars will be assigned one semester hour of credit and will meet for three hours and ten minutes one night per week for a three-week period. Seminars will occasionally be given greater credit because of required travel, more class-time, or extensive out-of-class assignments. Seminars will not be offered during the summer. Additionally, students may elect to participate in one of the international seminar programs sponsored by the Business Division. These Academic Seminars, to various parts of the world, typically are for 10-15 days. Academic credit may be given with the prior approval of a faculty member and the Program Director.

Master of Business Administration in International Business Course Descriptions

BUS 640**INTERNATIONAL MANAGEMENT****Three credit hours**

This course introduces the student to the nature and scope of participation in and management of international economic enterprises. The new global markets require an understanding of the interdependency, interaction, and integration of planning, organizing, executing, and controlling across national and cultural boundaries. The course is designed to educate the future global manager who will eventually articulate and support the international strategy of the organization.

BUS 610**FINANCIAL MANAGEMENT****Three credit hours**

This course includes the evaluation of financial statements through ratio and time series analysis, working capital management, capital budgeting, the evaluation of risk associated with different cost and capital structures, and the methods of long and short term financing of the firm.

BUS 612**MICROECONOMICS/INTERNATIONAL TRADE****Three credit hours**

A study of economic theory of the firm and markets on which many managerial decisions are based. The theory serves as a foundation for understanding the patterns of international trade and the role of the firm in global markets. The theory also has a role in a nation's international trade policy. Subjects include theory of demand, price making, costs, production, economies of scale, market structures, comparative advantage, international terms of trade, and trade barriers.

BUS 620**MANAGEMENT SCIENCE****Three credit hours**

This course includes models and quantitative techniques for analyzing management problems including decision theory, linear programming, transportation models, optimization functions, queuing theory, multiple regression, and time series.

IMBA Elective Seminars

Elective seminars will be offered during a three-week term in the Fall and Spring semesters. These seminars will cover topics of current interest or provide in-depth coverage of selected topics from the core courses. The majority of the seminars will be assigned one semester hour of credit and will meet for three hours and ten minutes one night per week for a three-week period. Seminars will occasionally be given greater credit because of required travel, more class-time, or extensive out-of-class assignments. Seminars will not be offered during the summer. Additionally, students may elect to participate in one of the international seminar programs sponsored by the Business Division. These Academic Seminars, to various parts of the world, typically are for 10-15 days. Academic credit may be given with the prior approval of a faculty member and the Program Director.

Master in Business Administration in Sustainability Course Descriptions

BUS 501 SYSTEMS MANAGEMENT & ORGANIZATIONAL THEORY *Three credit hours*

This course focuses on general systems concepts and the systems management approach to organizations. Students acquire a greater understanding of the interdependence of and interrelationships between elements of a system and its environment. Selected organizational and managerial issues or problems are diagnosed from a system and organizational theory perspective, and solutions are developed that reflect a systemic outlook. Opportunities are provided for applying systems thinking to the students own career or work situation.

BUS 509 ORGANIZATIONAL BEHAVIOR *Three credit hours*

Prerequisite: BUS 501

This course provides an analysis of behavioral science approaches to organizations stressing the implications of theoretical concepts on managerial practice. Topics include functions and dysfunctions of bureaucracy, individual needs and organization requirements, group processes, and organizations as systems. Basic concepts used to study special topics are conflict management, leadership, communications, and organizational change and development.

BUS 545 FINANCIAL MANAGEMENT *Three credit hours*

Working capital management, investment decisions, cost of capital, and long-term financial decisions are the focus of this course. The method of presentation takes account of theory, application, and integration into the general systems approach.

BUS 548 ACCOUNTING AND FINANCE MANAGEMENT *Three credit hours*

This course is a study of accounting information for managerial decision-making. Emphasis is on cost behaviors and cost accounting systems applied to management models. Concepts include job-order costing, cost-volume-profit analysis, activity based costing, profit planning, and variance analysis.

BUS 551 MARKETING AND MARKETING INFORMATION SYSTEMS *Three credit hours*

This course focuses on problems of the marketing manager in the measurement of marketing opportunities and the allocation of marketing resources. A variety of strategic and tactical subjects with which marketing management must deal to maintain effective marketing operations are developed in this class. Examples include the marketing concept, buyer behavior, product decisions, promotional decisions, pricing policy, channel management, and building an MIS program. Emphasis is on problems confronting managers and analysis techniques using computers and information systems.

BUS 552 ENVIRONMENTAL SCIENCE AND REGULATION FOR SUSTAINABLE BUSINESS

Three credit hours

This course provides students with basic scientific knowledge essential for understanding the problems and potential solutions associated with human-induced ecological changes. This would include a review of the scientific method and ecosystem structure and function, examination of environmental issues related to human population dynamics, energy production and consumption, land use perturbations, climate, toxicology, risk, and human health. The course also focuses on government regulatory environments (local to global) that impact a firm's sustainability behavior and performance.

BUS 553 INTRODUCTION TO SUSTAINABLE BUSINESS

Three 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. Case studies will focus on successful corporate sustainability initiatives across a wide array of industries and business contexts as well as enduring challenges faced by businesses that aim toward sustainability. Representatives of local businesses using triple bottom line strategies will present their "cases" in class. Other topics to be addressed will include integration of sustainability into corporate vision, mission, and culture; metrics of sustainability, including greenhouse gas and carbon inventories; stakeholder engagement and management; the challenge of sustainable products and services; and corporate sustainability reporting.

BUS 581 MACROECONOMICS FOR MANAGEMENT

Three credit hours

This course helps participants develop skill in understanding the operation of the United States economy, anticipating the impacts to government policies and other influences on the economy, and understanding the influence of the economy on the individual firm.

BUS 624 OPERATIONS ANALYSIS

Three credit hours

This course deals with production and operational subsystems from the perspective of general and operations management. Operations analysis tools and methodology are presented in detail to assist in designing, planning, and controlling manufacturing and service operations. This course includes analysis and application of PERT/CPM, inventory control, queuing, and quality management.

BUS 662 SUSTAINABLE PRODUCTS AND SERVICES

Three 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 examines historic, current, and future examples of sustainable products and services, with attention to evolving definitions of sustainable products and services across time, cultures, and industries. Topics will include product life cycle analysis, prospects for technological innovations such as biomimicry, assessment and management of product supply chains, creation of environmental product differentiation with benefits to the consumer, effective marketing of and public communication and reporting on sustainable products and services, and the essential value propositions and competitive advantages available in this market space.

BUS 663 INTEGRATIVE SUSTAINABLE VENTURE PLAN

Three credit hours

The purpose of this course is to plan, start or build an ethical, sustainable and profitable venture for an existing or new business, NGO or governmental organization. Students may work individually or in a group to complete a strategic business plan that will include a management plan, financial statements, risk analysis, an operations and marketing plan, and an action plan to implement the venture. Course instruction will center around a series of integrated modules that will focus on the practical implementation of all aspects of the curriculum. Students will explore the connections between the strategic foundation of the venture and the cultural, sustainable and spiritual aspects of their values, core purpose and goals within a global business context. Problem solving and critical decision-making will be integral to this course.

BUS 670 MANAGEMENT POLICY & SYSTEMS ANALYSIS***Three credit hours***

This capstone course represents the culmination of the student's MBA program. The science of strategic analysis and strategic management is taught along with competitive assessment, strategic planning, and overall enterprise management. The student learns within the classroom environment to apply this knowledge to a company that is a major player in its industry. 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.