



1998-2000
CATALOG

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COLLEGE
Established 1845

Baldwin-Wallace College

1998-2000 Catalog

CollegeSource

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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.

1998-99 & 1999-2000 CALENDARS

	FALL--1998-99	FALL--1999-2000
Classes Begin	Mon., August 24	Mon., August 23
Last Day to Add	Fri., August 28	Fri., August 27
Last Day to Drop	Tues., October 27	Tues., October 26
Classes End	Fri., December 4	Fri., December 3
Final Exams	Mon.-Fri., December 7-11	Mon.-Fri., December 6-10
Holidays	Labor Day, Mon., September 7 Fall Holiday, Fri., October 16 Thanksgiving Break, Wed.-Fri., November 25-27	Labor Day, Mon., September 6 Fall Holiday, Fri., October 15 Thanksgiving Break, Wed.-Fri., November 24-26
	SPRING--1998-99	SPRING--1999-2000
Classes Begin	Mon., January 11	Mon., January 10
Last Day to Add	Fri., January 15	Fri., January 14
Last Day to Drop	Mon., March 22	Mon., March 20
Classes End	Wed., April 28	Wed., April 26
Final Exams	Fri.-Thur., April 30-May 6	Fri.-Thur., April 28-May 4
Holidays	MLK Day, Mon., January 18 Spring Break, Mon.-Fri., March 8-12	MLK Day, Mon., January 17 Spring Break, Mon.-Fri., March 6-10
	SUMMER--1998-99	SUMMER--1999-2000
Weekend-7 weeks	May 22-23-July 24-25 (final exams)	May 20-21-July 22-23 (final exams)
	Day/Evening--Term I	Day/Evening--Term I
Classes Begin	Mon., May 17	Mon., May 15
Last Day to Add	Wed., May 19	Wed., May 17
Mem. Day, no classes	Mon., May 31	Mon., May 29
Last Day to Drop	Wed., June 9	Wed., June 7
Final Exams (Day)*	Fri., June 25	Fri., June 23
	Day/Evening--Term II	Day/Evening--Term II
Classes Begin	Mon., June 28	Mon., June 26
Last Day to Add	Wed., June 30	Wed., June 28
Ind. Day, no classes	Mon., July 5	Tues., July 4
Final Exams (Day)*	Fri., August 6	Fri., August 4
	*Evening exams will be in the last class period scheduled.	

Minimesters

For more detailed information on Minimesters, see the Semester course schedules.

FALL I--1998

August 24-October 15

FALL I--1999

August 23-October 14

FALL II--1998

October 19-December 11

FALL II--1999

October 18-December 9

SPRING I--1999

January 11-March 5

SPRING I--2000

January 10-March 3

SPRING II--1999

March 15-May 6

SPRING II--2000

March 13-May 4

ABOUT BALDWIN-WALLACE COLLEGE

Baldwin-Wallace College is an independent, coeducational college founded in the liberal arts tradition in Berea, Ohio, a suburb southwest of Cleveland. Today the College serves approximately 2700 full-time undergraduates, 1600 part-time and over 650 graduate students.

The College maintains over 50 academic programs within the following seven divisions: business administration, education, health and physical education, humanities, music, science and mathematics, and social sciences. Affiliated with the United Methodist Church, Baldwin-Wallace welcomes qualified students of any race, color or ethnic origin.

Statement of Mission of Baldwin Wallace College

Baldwin-Wallace College is committed to continuing the development of a climate for learning which will provide each student with the maximum opportunity for academic, spiritual and social growth. This environment is characterized by:

- an intellectual community marked by a dedicated faculty and staff and a student body truly interested in learning;

- a recognition of individual differences among students and a commitment to provide particular educational programs designed to serve individual student needs;

- a confirmed belief that a liberal arts orientation is the most effective basis for career preparation and the best means of instilling in all students those values which will lead to rich and productive lives;

- an acknowledgment of the long-standing and active affiliation of this institution with the United Methodist Church and support of the values represented thereby;

- a spirit of community which makes the institution an exciting and rewarding place in which to learn, to teach and to work; a place where excellence is highly prized, the needs and aspirations of each member of the community are recognized and personal relationships at all levels are marked by respect and concern for individuals; and

- a sincere hope that the College — students, faculty, staff, alumni, trustees and supportive friends — will view learning as a lifelong process and will make significant and lasting contributions to the well-being of the larger community.

We who labor and learn here believe that such an environment will help all human beings touched by Baldwin-Wallace College to live decent, useful, happy lives. We can wish them no better prospect; we charge ourselves with such a mission.

Statement on Church Relatedness

At Baldwin-Wallace, a college related to the United Methodist Church, the liberal arts and the sciences form the basis of a diversified program of study. The academic program of the College is committed to the development of the whole person — intellectually, socially and morally. Baldwin-Wallace seeks to fulfill its goal of providing an education of quality in the atmosphere of an academic community where faculty and students together share in the pursuit of knowledge.

As a college related to the United Methodist Church, Baldwin-Wallace relies upon a tradition which endeavors to pursue truth while attempting to avoid narrow sectarianism. We remain dedicated to these intellectual and religious traditions of United Methodism. Our understanding of church relatedness implies an openness to all persons, regardless of their personal religious persuasion, in our pursuit of social, intellectual and religious values.

As a church-related college, Baldwin-Wallace looks to and reflects upon its Judeo-Christian tradition. In its dedication and commitment to the whole person, Baldwin-Wallace endeavors to create an educational environment where all members of the college community are joined together in the intimacy of learning and where they can come to a clearer understanding of themselves and their purpose in life.

The College seeks to serve the members of the community through the love revealed by God in the Scriptures and in the life of Jesus the Christ. As part of that effort, Baldwin-Wallace helps persons in its community to develop their abilities to respond creatively in their own faith to the will of God with wisdom, knowledge, courage, sensitivity and compassion.

Accreditation

Baldwin-Wallace College is accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools, for both graduate and undergraduate programs. The address and telephone number for this accrediting body is 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, 1-800-621-7440.

The undergraduate programs in music are also 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. 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, the American Council on Education, the American Association of collegiate Schools of Business, and the American Association of Colleges of Teacher Education.

The College is approved for teacher education in the following areas: Early Childhood Education (prekindergarten-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. **(All of the above programs are currently being reviewed for approval by the State Department of Education.)** 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.

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.

Section I

THE 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, and elective courses the student carefully chooses to pursue special interests.

Students, working with a faculty advisor, are responsible for the planning of their own courses of study. It is the responsibility of the student, not of the advisor, to complete a program of study that meets all the requirements for a degree.

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,

mathematics, computer science, computer information systems, or allied health. The degree of **Bachelor of Science in Education (B.S. in Ed.)** is granted to students who major in early childhood education, middle school education, 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. (2) The two degrees are not to be conferred at the same Commencement. (3) A minimum of 32 credit hours must be completed at Baldwin-Wallace after the first degree is conferred. (4) 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 both degrees. (5) 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 X.

The College Core

All undergraduate students must pursue a study sufficiently varied to acquaint them with a broad spectrum of human knowledge. In doing so, they must utilize and develop those skills which are essential to success in academic work as well as in their personal and professional life. Courses applicable to the College core are designated as "Core Courses" in the course schedule booklet. The core requirements include course work in the following areas: Humanities, specifically fine arts, English composition, and cultural heritage; Natural Sciences; Social Sciences; Health and Physical Education; Mathematics; and International Studies. **Specific area, course and credit requirements for fulfillment of the College core are outlined in Section VIII.**

Academic Majors and Related Policies

Each student completes a major in an academic area. If the major is in a single academic department, it includes 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 have 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 13 credits at B-W in their major field of study. Exceptions may be made by an individual department based on an examination or other appropriate evaluative methods. Certain departments may require more than 13 credits.

An **interdepartmental major** may be arranged in consultation with the heads of the departments concerned. 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 toward a degree at Baldwin-Wallace.

Students are encouraged to select a 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, and the certification programs of the Division of Education.

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.

For a concise listing of undergraduate majors and minors as well as other specific programs of study offered, course descriptions, specific major and program requirements, refer to Section VIII of this catalog.

Academic Minors

Students may select one or more academic minors to supplement their academic major. 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. For further information and academic minor requirements, refer to Section VIII.

Grading System

At the completion of a semester's work, students are graded in each subject. Grades given are A+, A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, S and U. 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; D+ = 1.333; D = 1.0; D- = 0.667; F = 0.0; S = satisfactory, no quality points, and U = unsatisfactory, no quality points. The following marks also are given: I = incomplete, no quality points; T = a temporary non-credit grade for multi-semester course work which is progressing satisfactorily, no quality points; W = withdrawn; WX = withdrawn, failing; WP = withdrawn, passing, and NR indicates a grade not reported by the instructor. Grades of W, WX and WP do not affect a student's grade point average.

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, W, WX and WP are not used in computing GPA.

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. Unless the work for an "I" is completed and a grade reported not later than the last day of the sixth week of the next term in which the student is enrolled, the grade becomes "F" and is so recorded. If the student is not enrolled the following term, he/she may still complete the work if feasible; otherwise, unless the work is completed by the last day of the sixth week of the next term in which the student is enrolled, the grade becomes "F" and is so recorded.

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" mark must be validated by a subsequent letter grade to count for credit.

The mark "NR" is given when no regular grade is reported by the instructor. The "NR" must be replaced with a regular grade.

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).

Grades are not given for non-credit (audit or visitor) work. A student who desires a grade in a course must take it for credit. Courses are offered on a credit, audit, or visitor basis. 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. Students attending a class on a visitor basis will have no minimal requirements and will have no record made of their participation. Changes from audit or visitor to credit may not be made after the first week of the semester. Changes from credit to audit or visitor may not be made after the ninth week of the semester.

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 Committee 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. The courses in which this option is exercised may not be courses in the student's major department or specifically required as part of the major. All other courses, including the general curriculum requirements, may be taken under this option. 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.

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 in an academic area, in addition to the general curriculum requirements.
2. No more than 60 credits in a single department may be accepted toward the credits required for graduation, except for the Bachelor of Music, the Bachelor of Music Education, and Bachelor of Science in Education degrees.
3. They must have at least a 2.00 grade point average.
4. All financial obligations to the College must have been met.
5. Students must have taken the last 32 of the 124 credits required for graduation on the B-W campus, unless granted written permission to take special work elsewhere by the Academic Dean.
6. They must successfully complete the comprehensive examinations if required by the major department.
7. Students must participate in any assessment activities for which they have been selected unless they have been excused by the Assessment Director.
8. 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. Students are eligible to participate in the commencement ceremony provided they have earned a minimum of a 2.00 GPA the preceding Fall Semester. Participants must have completed all degree requirements by the end of the Spring Semester or must have no more than 13 semester credits of requirements outstanding. Students with requirements yet to complete after Spring Semester will be required to submit a written completion plan to finish by the end of the calendar year. Completion plans are signed and approved by the student's faculty advisor. Applicants not meeting the above criteria will be removed from the commencement list.
9. Graduating seniors are expected to attend the Commencement exercises, unless they have notified the Office of the Academic Dean in writing that they do not plan to participate.

Comprehensive Examinations

As a part of graduation requirements, some departments require a comprehensive examination. The comprehensive examination is intended to evaluate the student's progress toward completion of a major. The methodology and content of the comprehensive examination vary from department to department. A description of individual department requirements is available to students in the major department. A student who declares multiple majors must satisfy comprehensive examination requirements for each major as indicated. It is the responsibility of each student to satisfy all major requirements before graduation.

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 <i>cum laude</i>	3.400
For a degree <i>magna cum laude</i>	3.600
For a degree <i>summa cum laude</i>	3.800

In order to receive a diploma with academic honors, a student must have completed at least 40 of the 124 credit hours at Baldwin-Wallace in courses graded A+ through F. Exceptions in unusual cases may be made by the Academic Dean.

Transfer students are eligible to graduate with honors provided their grade point average earned at Baldwin-Wallace meets the stated minimum requirements. In addition, all college or university credits attempted within a ten-year period prior to enrollment at Baldwin-Wallace, including credits not accepted in transfer and credits earned in transient, will be included in calculation of the grade point average for honors consideration. Credits earned eleven or more years prior to enrollment or re-admission to Baldwin-Wallace may be excluded from the credits earned toward degree requirements and the calculation of the grade point average for honors consideration upon the request of the student; requests must be made prior to the completion of 100 credits earned toward degree requirements. Transfer credits cannot qualify a student for higher honors than those earned at Baldwin-Wallace.

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 3.5 for seven or more graded hours in a single semester will be placed on the Dean's List, which is published each semester. Any pending grades must be removed before the GPA for that semester is established. No student earning a grade of "U" may be on the Dean's List.

Academic Assessment Program

In keeping with its mission to develop a climate for learning which will provide each student with the maximum opportunity for academic growth, and in response to a mandate to all schools accredited by the North Central Association of Colleges and Schools (NCA), Baldwin-Wallace College has developed a comprehensive plan to assess student academic outcomes. By determining what Baldwin-Wallace College students learn during their college careers, the College hopes to continuously monitor its academic program and make improvements as needed.

Baldwin-Wallace's Assessment Plan focuses on measuring academic outcomes (performance) at appropriate points during students' college careers. To this end, students will be assessed at both the core curriculum level and at the department (major) level. The College will make both aggregate and group level comparisons of student performance over time as well as longitudinal comparison on individual students. Implementing the Assessment Plan requires the participation of students primarily in their freshman and senior years. It is possible that a student may participate as a freshman but not as a senior, or vice-versa. Departmental assessment plans may require more frequent student involvement. When a student is selected to participate in an assessment activity, participation is required; refusal to participate may affect registration and/or graduation eligibility.

For the College-wide assessment, randomly selected students will be asked to participate in at least one of a variety of assessment instruments. One venue used to assess freshmen will be Freshman Experience (COL 101), where taking part in assessment may be required as part of the COL 101 course. Refusal to participate in an assessment activity may affect a student's COL 101 grade.

It is important to note that when a student does participate in one or more assessment activities, in no way will the student's performance in the assessment activity affect a course grade, graduation eligibility, class rank or overall grade point average.

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, American 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.

The program is administered by the Registrar who will process credit awards and notify students concerning application of credit and placement.

The Honors Program

The Honors Program is a series of five or six courses designed to focus on “The Human Experience” and represents the decision of the College to provide academically talented students with special opportunities. The courses in this program are designed to establish interdisciplinary connections and cover nontraditional topics in nontraditional ways.

- **Honors Courses and Credits:** The courses in the Honors Program are planned to be especially challenging and to permit maximum levels of achievement in the integration of knowledge, the development of research and writing skills, and interaction between students and faculty.

Phase I: Honors Program Courses (invited freshmen only): 12 credits (3 courses).

Students will be required to take one Honors course for three consecutive semesters, starting in fall of the freshman year. Each course will carry four credits, for a total of 12 in this phase of the program. There will be one offering each from the Divisions of Humanities, Science and Mathematics, and Social Sciences. Courses will be designed to show how someone in each of the academic disciplines would approach the same issues or themes, thus helping students to integrate modes of thinking across disciplines. Credits earned in these courses are applicable to College core requirements.

These courses will be numbered HON 101, 102 and 103 and will be offered at the same time each term with the students' understanding that the courses must be taken in sequence and completed by the end of the fall semester in the sophomore year. The time slot will be fixed, a consistent day or evening slot, for each term. Should a student miss one of these courses, *the course cannot be made up the next year*. The student may count the course(s) taken to that point as electives or may petition departmental chairs to have the course(s) count as a core course.

Phase II: Honors Courses: 8 credits (2-3 courses). The remaining courses required to complete the Honors Program will be selected from special offerings in the College core curriculum. Each semester, several courses will carry a designation of "H" to alert students who are in the Honors Program. In addition, those students who have obtained at least a 3.5 GPA may elect these courses. "H" courses will be offered by Divisions of Humanities, Science and Mathematics, and Social Sciences. These courses will be designed to be academically rigorous and relevant to Honors Program goals. Courses with the "H" designation may be applied to the College core. Students will not be awarded credit for duplication of courses; for example, PSY 100 and PSY 100H.

HON 050, Honors Thesis: This additional Honors Program elective, 2-4 credits, will be offered on an independent study basis and it is suggested that students take this in the junior or senior year. The thesis should address broad academic questions or themes relevant to the Honors Program. This Honors Program elective is open only to students who have successfully completed HON 101, 102, 103.

Details regarding the Honors Program thesis may be obtained from the Honors chair. A student may not submit the same thesis for both a departmental thesis/project and an Honors Program thesis. An Honors thesis will be graded; it cannot be taken S/U.

- **Admission into the Honors Program:** There are two ways a student can participate in the Honors Program: (1) Students who meet general criteria for candidacy will receive invitations to apply for the Honors Program. These criteria include superior high school graduation rank and high SAT or ACT scores. In addition to the students who meet the established criteria, other qualified students may be issued invitations to apply based on recommendations of the admission staff of the College in collaboration with the Honors Program Chair. Students selected to participate will receive special orientation information. These students will be considered Honors students and will receive appropriate acknowledgment on their transcripts upon completing all of the requirements of the Honors Program; (2) Students of sophomore status or above and who have earned a minimum GPA of 3.5 may enroll in Phase II Honors offerings as noted in the course schedule. These students are not eligible to complete the entire Honors Program but may enroll in selected courses that are designated as Honors offerings.

- **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 with at least a 3.0 in those courses will, upon graduation, receive appropriate recognition on their transcripts.
- **The Honors Program and College Core Requirements:** Students who complete the Honors Program will complete a minimum of 20 credits from Phase I and Phase II courses, and those credits will be applied to the College core requirements as appropriate in the humanities, social sciences, natural sciences and/or mathematics. The remaining 24 credits required to fulfill the core must meet area and credit requirements as specified in the College core requirements; see Section VIII for further details.

Departmental Thesis/Project

The Departmental Thesis/Project gives ambitious 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 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.

Juniors and seniors may undertake a departmental thesis/project if they have the permission of the head of the department in which the work is to be done, and they meet the criteria, including the minimum GPA, established by the department for the thesis/project. Although most departmental thesis/project work is taken in the students' major field, students may complete work on a special academic interest in a department other than their major.

A student may not pursue more than four credits toward a departmental thesis/project per semester, and no more than 12 total credits of such work may be counted toward graduation requirements; however, individual departments may set a lower limit on total credits allowed for a thesis/project.

The departmental thesis/project is not to serve as a substitute for any courses offered in the organized curriculum. At the discretion of the department chair and the Curriculum Committee, however, the student who has completed work graded "A" or "A+" may be excused from a required course that covers similar material. Thesis/project credit may be applied toward minimum requirements for a major only at the discretion of the department head and the Curriculum Committee.

Students completing a departmental thesis/project are expected to present a paper showing the results of their studies. Guidelines for the format of the paper are available from the office of the Associate Academic Dean. Creative work in the arts may be substituted for a paper where appropriate. For further details on criteria and format of a departmental thesis/project, students should consult the department in which the work will be done.

At the conclusion of a departmental thesis/project, the student is given an oral examination by the department concerned, but not solely by the faculty member under whom the work was done. Rather, it is customary to invite one or more faculty members from other departments to attend the oral examination.

A departmental thesis/project must be graded; it may not be taken S/U. Through the generosity of Dr. James M. Ruegsegger, a 1922 graduate of Baldwin-Wallace, "A" and "A+" theses/projects will be bound and available for reading in Ritter Library. All students who complete a departmental thesis/project with a passing grade will, of course, receive credit.

When exceptional circumstances seem to justify modification of the departmental thesis/project guidelines and requirements, the changes may be made only with the approval of the Curriculum Committee and the head of the department in which the work is to be done.

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 in good standing (that is, not on probation) may participate in an approved independent study.

All independent study proposals, including the number of credit hours requested, must be submitted in writing to the department in which the project will be undertaken. The participating student and the supervising faculty member will jointly establish the detailed format, time schedule and number of tutorial sessions deemed necessary to attain the goals of the proposal. The independent study form with the established details must be signed by the participating student, the supervising faculty member and the department head. These signatures will constitute departmental approval of the proposal.

The number of credit hours granted for any independent study proposal will be determined by the quantity of work involved, with a possible guideline of 45 clock hours of work on the study per credit hour. Usually independent studies will range from one to four hours. Under normal circumstances no more than four credit hours of independent study will be permitted in one semester. A maximum of 20 credit hours of independent study may be applied to the total credit hours required for graduation, and no more than 10 credit hours of independent study may be earned in any one department.

Independent study projects may run more than one semester and will be considered completed upon presentation of an oral or written report or other demonstration of proficiency as established by the department. The quality of the student's performance will be evaluated on an S/U basis by the supervising faculty member.

Students have the option of having their independent study project graded on the A+ through F system. The students' choice of the A+ through F system must meet the approval of the supervising faculty member. The students must declare their intent concerning the grading system to the registrar no later than the fifth day of classes of the semester in which the project is undertaken.

Requests for approval of independent study proposals in excess of four credit hours should be prepared as a normal request, and then a copy of the signed, departmentally approved proposal must be submitted to the dean of the College one month prior to the date which officially closes the semester preceding the semester in which the project is to be undertaken. A student who is granted approval for a project in excess of four credit hours must submit a copy of the results of the study to the department involved. If the result of the project is other than a reproducible paper or report (e.g., a work of art), a brief description of the work will be accepted. Credit for the independent study will be recorded upon receipt of this product.

The approval of the Independent Study/Off-Campus Experience Committee is required whenever an individual wishes to attempt an independent study, a field experience/ internship, or a combination of the two, that exceeds 12 credits in any single semester.

Exceptions to any of the above guidelines may be granted by the Independent Study/Off-Campus Committee.

Field Experience/Internship Program

The Field Experience/Internship program was established to provide students with meaningful work experiences that directly relate to their career goals. Credit is awarded to students who successfully complete a field experience/internship under the course number 070, 060, or a Department/Division course number especially designated for specialized field or clinical experience. The Field Experience/Internship Program offers students the opportunity to:

1. Explore career objectives through career-related experience.
2. Apply theory learned in the classroom to actual practice in a work setting.
3. Obtain experience that will aid in pursuing a career following graduation.
4. Develop skills and personal attributes applicable to the professional world.

General guidelines for the Field Experience/Internship Program are:

1. Field Experience/internship projects are defined as individualized professionally-oriented experiences undertaken with faculty coordination to supplement or complement the student's academic program while the student is working as a member of the staff of a structured institutional setting such as an art gallery, a hospital, a museum, religious, social or political institution, with a sport, recreational, or wellness program, or with an industrial, educational or research organization. It should be noted that field experience differs from independent study, which is an individualized academic investigation conducted by the student under faculty supervision.
2. Departmental participation in the Field Experience/Internship Program is optional.
3. A student participating in the program must be at least a sophomore with a 2.0 GPA or better, must complete the **field experience workshop organized by the Office of Career Services** and meet the criteria established by the department/division and the Office of Career Services for the successful completion of a field experience/internship.

4. The number of credits that may be proposed and earned for a field experience/internship is based on the actual number of hours worked; a minimum of 45 clock hours on the job equals one semester credit hour. Registration for field experience/internship credit must have the prior approval of the faculty coordinator, department chair, employer supervisor, and the Office of Career Services. Award of credit is based on the successful completion of the requirements as established by the faculty coordinator, employer, and student in cooperation with the Office of Career Services. Field experience/internships are graded S/U.
5. The approval of the Independent Study/Off-Campus Experience Committee is required whenever an individual wishes to attempt a field experience/internship, independent study, or a combination of the two, that exceeds 12 credits in any single semester.
6. No more than 13 credit hours earned in field experience/internship may be counted toward the minimum of 124 semester credit hours required for graduation. Exception to this limit may be approved by the Independent Study/Off-Campus Experience Committee.
7. Credit earned in field experience/internship may not be used to satisfy the College core requirements.
8. Departments/Divisions determine whether or not credits earned in field experience/internship may be applied toward completion of a major.
9. Most field experience/internships are designated as **070** credit. However, some specific field or clinical experiences are offered under a course number designated by a Department/Division. Examples include:

BUS 470	ACCOUNTING INTERNSHIP PROGRAM
CSC 470	FIELD EXPERIENCE
EDU 406	STUDENT TEACHING -- SECONDARY
EDU 411	STUDENT TEACHING -- SPECIAL
EDU 416	STUDENT TEACHING -- ELEMENTARY
EDU 417	STUDENT TEACHING -- MUSIC
EDU 418	STUDENT TEACHING -- MUSIC
HPE 470	CLINICAL EXPERIENCE IN ATHLETIC TRAINING
PSY 373	CLINICAL FIELD EXPERIENCE
PSY 473	CLINICAL WORK EXPERIENCE
SCT 335	CLINICAL PRACTICE
SCT 470	SUMMER THEATRE LABORATORY EXPERIENCE

10. Course assistants are undergraduate students who work with a B-W faculty member in the planning and implementation of a class. Students working as course assistants are required to meet all the expectations of the Field Experience/Internship Program if they are to receive credit. As in other field experience/internship, course assistants must have an employer (in-class supervisor) as well as a faculty coordinator and meet other criteria established by the department/division and the Office of Career Services. Credit for field experience as a course assistant is designated under the number **060**.
11. Participation in the Field Experience/Internship Program is an opportunity that carries with it responsibilities. Student participants are considered representatives of Baldwin-

Wallace College. The College expects exemplary professional conduct and a student action or behavior which is unacceptable will result in termination of the field experience/internship and may lead to institutional sanctions.

For further details and/or assistance in participating in an approved field experience/internship, students should contact the Office of Career Services and/or the Department/Division who will sponsor the work.

Proficiency Examinations

A maximum of 10 credits from courses of mathematics, music and engineering drawing may be established through proficiency examinations, provided such credit is approved by the department head and the dean of the College. Granting more than 10 credits requires the approval of the faculty.

College Credit Recommendation Service

The College Credit Recommendation Service (formerly known as the American Council on Education or ACE) evaluates a wide range of business and military training for college equivalencies and keeps records of all individuals who have participated in these programs. Persons who have completed education/training at work (private industry or government) or in the military which is recognized by the College Credit Recommendation Service may be able to earn credit at Baldwin-Wallace College for those experiences.

Baldwin-Wallace is guided by the principles and recommendations of the Service's guide-books when assessing requests for credit earned in this manner. The student must have College Credit Recommendation Service transcripts sent directly from the Center for Adult Learning and Educational Credentials to the Office of Registration and Records at B-W for consideration of credit. For information on credit or to receive a transcript contact The Center for Adult Learning and Educational Credentials, College Credit Recommendation Service, Washington, D.C. 20036, (202) 939-9475.

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: five general examinations (English composition, humanities, mathematics, natural science and social sciences) and a number of subject examinations ranging from African-American History through Western Civilization.

The faculty of the College recognizes the merits of the College Level Examination Program and is prepared to make the following awards to those students who qualify:

1. In the general examinations, three credit hours each for English composition and/or mathematics and six to eight credit hours each for the humanities, natural science and/or the social science examinations.
2. In the subject examinations: three or four credit hours each for American Government; American History - Early Colonizations to 1877; American History - 1865 to Present; American Literature I - Colonial to 1870; American Literature II - 1870 to Present; Analysis & Interpretation of Literature; Biology; Calculus; Information Systems and Computer Applications; Educational Psychology; English Literature; College French - Level I; College French - Level II; College German - Level I; College German - Level II; College Spanish - Level I; College Spanish - Level II; General Chemistry; General

Psychology; History of American Education; Human Growth & Development; Introduction to Business Management; Introduction to Accounting; Introduction to Business Law; Introduction to Marketing; Introduction to Microeconomics; Introduction to Macroeconomics; Introduction to Sociology; Western Civilization I; Western Civilization II.

3. In order to qualify for credit in any of the examinations offered in the College Level Examination Program, 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 which covers the same subject area in which the student has already earned college credit.
 - c. The student must achieve a score at or above the 50th national percentile.
4. Credits awarded from the CLEP program are considered transfer credit and are not applicable to the 32-hour residency requirement.
5. Further information concerning the details of the various examinations and registration procedures is available in the Office of Developmental Services or the Office of Continuing Education.

Prior Learning Assessment

1. 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. Permission to enroll in the course is granted through the Director of Continuing Education or a course instructor. 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.
2. After successful completion of COL 163, the student develops an individual portfolio to document college level learning. The portfolio is submitted to the Faculty Assessment of Prior Learning Committee for evaluation and determination of credits. There is no arbitrary limit to the number of credit hours awarded. Assessed credit from the portfolio is considered transfer credit and is not applicable to the 32-hour residency requirement. Separate fees are charged for assessment of portfolio and transcription of credit earned.
3. For more information, contact the Office of Admission.

Off-Campus Study

Both the Washington Semester and the United Nations Program are administered by the Department of Political Science. Applications and additional information can be obtained from that department.

Washington Semester Program: The College participates each year in the Washington Semester Program at American University in Washington, D.C. Under this program, students spend the first semester of their junior or senior year at American University and receive credit towards a degree from B-W.

While at American University, students take both regular academic courses and special courses, including a research seminar and an internship in a government agency or government-related agency. These are designed to increase their awareness and understanding of the nature and operation of government and politics. Students have the option of participating in particular programs that concentrate on aspects of American government or the international sphere.

Those participating in this program pay Baldwin-Wallace tuition; other expenses, including room and board, are paid by the student directly to American University. Scholarship help is available.

Drew University Semester: The College also participates in the Drew University Semester on the United Nations. The fundamental features of this program are similar to the Washington Semester. Participating students spend a semester at Drew University in Madison, New Jersey, pursuing a program designed to promote an increased understanding of the United Nations. Two days of each week are spent at the United Nations.

Candidates for these programs should have excellent academic records and a capacity for independent study. These programs are open to students of all majors who have a good background in the social sciences.

Study Abroad Center

The Study Abroad Center coordinates a variety of credit opportunities in established programs of travel and study abroad, helps to develop special programs, and assists students in self-designed programs that allow students to study almost anything, almost anywhere in the world. Travel and study abroad is an experience not to be missed and is more affordable to students than is often thought. For more details on the following programs or to seek assistance in exploring other credit opportunities for travel and study abroad, contact the Study Abroad Center.

The following are established programs offered on a regular basis by the College:

- **Seminar in Europe:** The Seminar is scheduled for the second minimester of Spring Semester in alternate years. A total of eight semester credit hours for the HUM 287/288 course may be earned. The first minimester will offer courses in a variety of areas, some of which are particularly suited for preparation for a study abroad program.

The Seminar in Europe experience is designed to provide the opportunity to make a significant step in intellectual and personal growth through informed visits to sites of major importance in the development of Western culture. The tour includes Italy, Germany, France, and England as well as several other areas chosen from such destinations as Morocco, Greece, and Holland.

Any student in good standing may apply. Participants will pay normal Baldwin-Wallace College tuition and room and board. Students also will pay a Seminar program fee to cover airfare, transportation, lodging, ticket and entrance fees in Europe. The students' normal financial aid is fully applicable to the Seminar.

- **Seminar in the Middle East:** The Seminar is scheduled for the second minimester of Spring Semester in alternate years to the Seminar in Europe. A total of eight semester

credit hours in HUM 278/279 may be earned. The first minimester will offer courses in a variety of areas particularly suited for preparation for a study abroad program.

Student participants have the opportunity to earn credit when studying the history, religion and politics of the Eastern Mediterranean region. The focus is on the religious and cultural heritage of the Middle East, with significant exposure to the modern cultures, and includes visits to historical sites. The followed countries have been included in the itineraries: Jordan, Israel, Egypt, Turkey and Greece.

Any student in good standing may apply. Participants will pay normal Baldwin-Wallace College tuition and room and board. Students also will pay a Seminar program fee. The student's normal financial aid is fully applicable to the Seminar.

- **Seminar in Ecuador:** The Seminar in Ecuador is planned for the Spring Semester in alternate years. This adventurous study abroad program provides a comprehensive integrated exposure to the social and ecological diversity of Ecuador. Students have the opportunity to assess our rapidly evolving relationship with Latin America through first-hand exposures to the tremendously diverse people and physical environments of Ecuador. The primary goal of the program is to foster understanding of the need for multi-disciplinary approaches to conserving the biological and cultural diversity of developing nations.

Students pay tuition, room and board fees and a program fee. Financial aid is fully applicable to the program.

- **Student Teaching in England:** The Division of Education has developed this highly successful program with Edge Hill College in England. Student teachers may participate in the program in the Fall Semester. For further information, contact the Division of Education.
- **Liberal Arts in England:** Edge Hill College offer students the opportunity to enroll in liberal arts courses that transfer to Baldwin-Wallace. Students live on campus and take courses with British students.

Other credit opportunities for travel and study abroad include **The Political Science Department Study Abroad Program, The Business Management Study Tour, The History of Art Tour, and The European Theatre Tour.**

Other individual international programs with transfer of credit to Baldwin-Wallace may be arranged. Completion of a Study Abroad Form is necessary before departure to ensure credit and financial aid considerations.

Students are encouraged to contact The Study Abroad Center for information on any of the above programs, to explore the development of a self-designed program, and to receive information on newly developed tours and programs.

Credits earned in approved study abroad programs are applicable to the international studies requirement of the College core (see Section VIII).

Section III

ACADEMIC SUPPORT SERVICES

Academic Advising

Academic advising is available to all students who are admitted to Baldwin-Wallace College. Advising for day students is provided by faculty and coordinated by the staff of the Academic Advising Office, located in Bonds Hall. Every student who has declared a major will be advised by that department or division. An undecided student will be assigned an advisor in an area of interest.

While academic advising is a process of communication and information exchange between student and advisor, the ultimate responsibility for program and course selection rests with the student.

Career Services

The Office of Career Services provides students with a comprehensive career education program. Students are assisted in clarifying personal interests, skills and values; encouraged to explore and expand career options; and helped in developing appropriate job-hunting strategies.

Students attempting to clarify their career goals are encouraged to take advantage of the following services:

- **The Appraisal Center**
- **Survival Skills in Education**
- **Sigi Plus**
- **Career planning and placement programs**

The following services help students learn about career options and arrange an internship experience:

- **The Career Resource Center**
- **The Mock Interview Program**
- **AlumNet and the Alumni Directories**
- **The Field Experience/Internship Program**
- **Résumé Expert**

All students are strongly encouraged to develop a comprehensive job-hunting strategy and utilize placement services as one component of a larger employment search. Placement services include:

- The Job Bulletin
- Workshops on interviewing, job search techniques and résumé /cover letter writing

- Student Résumé Referral
- Career Day

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 general information about graduate school. The College also maintains a library of information in Ritter Library relating to graduate and professional programs, graduate fellowships and graduate scholarships.

Testing for Graduate Admission

The Miller Analogies Test (MAT) for graduate school admission is administered by appointment in the Academic Advising Office.

Information is provided on the Law School Admission Test (LSAT), Graduate Management Admission Test (GMAT), the College Level Examination Placement tests (CLEP), and Graduate Record Examination (GRE). Students interested in applying for medical school should contact the Department of Biology for information on the Medical College Aptitude Test (MCAT).

Ritter Library

Ritter Library provides a collection of over 200,000 volumes and more than 1,000 periodicals and scholarly journals. The professional staff assists students in using the collection and provides access to materials not held on campus. More than 40 computer workstations are available at the Library for student access of the Internet via the College's fiber optic network.

Membership in OhioLINK gives Baldwin-Wallace College students reciprocal access to almost all of Ohio's academic libraries. The library also participates in OCLC, Inc., a worldwide library consortium, and CAMLS, a Cleveland area library consortium. A large microform collection of ERIC fiche, the *New York Times*, the *Wall Street Journal*, and other periodicals is maintained.

Information Technology

Information Technology provides computing support for Baldwin-Wallace College through five functional areas:

- User Services
- Microcomputer Support
- Media Services (formerly Audio Visual)
- Networking Services
- Application Services

The six general purpose computer labs for students, faculty and staff provide Windows 95, Microsoft Office 6.0, Netscape, and access to e-mail. In addition to other discipline specific computer labs and classrooms, the CyberCafe, located on the lower level of the Strosacker College Union, provides PC's with Internet and e-mail access in a coffeehouse atmosphere.

All academic buildings at Baldwin-Wallace are connected to the campus fiber optic network. The network provides access to:

- Library catalog

- Electronic Mail
- The Internet, WWW
- BW Forum: an electronic collaboration and conferencing tool used in many classes.
- Application services
- Networked printers
- Private space on campus servers for backing up PC's

The Learning Center

The Learning Center provides support for students through a variety of programs and classes that are designed to improve academic performance. Offerings include:

- Study skills classes
- Free tutoring
- Drop-in mathematics lab
- Personal assistance in test-taking and time management

The B-W Writing Lab

The B-W Writing Lab provides an opportunity for anyone at B-W to go for help with writing problems. The Lab has both peer and professional tutors who will 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; no proofreading services are provided. The Lab also has a library of writing reference books and files of helpful handouts.

Upward Bound Program

Upward Bound is a federally funded pre-college program for high school students from economically disadvantaged areas. Eligible students are helped to acquire competencies necessary for graduation from high school and to prepare for enrollment and successful pursuit of a college education. Upward Bound offers a program of rigorous academic support, advising and counseling, and individual tutoring in addition to intellectual, cultural and recreational activities. While Upward Bound operates year round, the major programs are a six week simulated college experience during the summer and academic enrichment workshops held on Saturday mornings during the academic year.

Academic and Cultural Events Series (ACES)

ACES provides an opportunity for an enriched learning environment on campus by co-sponsoring with departments and student organizations many programs of intellectual and cultural interest. Most programs are free and all are open to students, faculty, staff and members of the community. Guest speakers, panels on current topics in the news, special interest programming, field trips, workshops and master classes in music and the performing and visual arts, and films are offered throughout the year. Faculty members may also request that ACES sponsor a program as a supplement to a specific course. ACES also provides leadership and support to such special cultural programming as Dr. Martin Luther King, Jr., recognition, Black History Month, and Women's Week.

American Language Academy

Baldwin-Wallace College is a host site for the American Language Academy. International students seeking English proficiency should contact ALA for enrollment information.

Students enrolled in the intensive ALA program are invited to live in College residence halls and to participate in campus activities. Students at the advanced levels of language instruction may be permitted to enroll in selected Baldwin-Wallace College courses to further enhance their preparation. Upon successful completion of the ALA program, students are encouraged to continue their undergraduate or graduate studies at Baldwin-Wallace.

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 in Bonds Hall.

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 & 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 credit hours plus a physical education course of one-half to one credit hour. 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.

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.

Probationary Status

Students on academic or disciplinary probation are subject to all of the following restrictions:

1. They may not hold any office in any student or College organization or activity.
2. They are ineligible to participate in varsity athletics.
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. Other restrictions may be established for individual situations.

Explanations of both academic probation and disciplinary probation, in addition to a description of the levels of academic standing at Baldwin-Wallace College, follow.

Academic Probation

Students working regularly toward meeting graduation requirements and standards are considered to be in good standing. Those whose progress is slowed because of poor grades or inadequate planning in meeting College requirements are placed on academic probation.

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 re-evaluate 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 for measuring 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 is 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.

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. Once suspended, individuals must remain on suspension for a minimum of one academic semester before applying to be reinstated. (see Reinstatement, page 27).

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 "T" grade may defer evaluation until the grade is confirmed. A "T" grade is not counted in the hours attempted.
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 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 at any time that both the cumulative GPA and the ratio of hours of “U” to hours attempted 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. It is suggested that a student who, in any semester, achieves a GPA of less than 2.00 consult the faculty advisor. Such a student should consider the possibilities for improvement offered by the Learning Center and the Developmental Services Office.
6. 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 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.

7. Students enrolled for fewer than 12 hours during any semester will be considered part-time students. They will be evaluated whenever they have attempted 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.

Disciplinary Probation

A student whose behavior on or off the campus is in violation of established College policies, or who defames the name of the College, is subject to disciplinary censure. This censure may be in the form of warning, disciplinary probation, suspension or dismissal.

Reinstatement

When a student has been suspended by the College, 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 Dean’s Office and should be returned at least one month prior to the beginning of the semester in which the student hopes to return. The Academic Appeals Board consists of three faculty members and representatives of the vice presidents of academic affairs and student affairs. 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 Dean's 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.

Attendance

Baldwin-Wallace College strives to make its curriculum, classes and laboratories challenging and meaningful so that meetings of students and faculty in learning situations occur without establishing formal College rules about attendance. At the same time, regular attendance at class meetings is beneficial to most students and is desirable.

Because there are no general College attendance requirements, the guidelines for attendance for each course will be given to the students by the instructor during the first meeting of the class. Since there is a wide variety of educational experiences, these requirements will range from strict attendance requirements for participatory situations such as group rehearsals to relatively free requirements for non-structured study. It is the student's responsibility to learn from the individual instructor the relationship between attendance and grades.

Financial Obligations and Refunds

All per-term College fees are due in full by the first day of classes. If the total fees are not paid by the first day of classes, a finance charge will be added to the balance remaining. If full payment cannot be made prior to the first week of classes, the student should make arrangements for full payment by the last payment due date of the term. The Bursar's Office can assist with these arrangements to ensure that the account will be paid in full by the deadline.

Students who are delinquent in meeting their financial obligations to the College are subject to certain restrictions. Diplomas will not be awarded. Certificates of credit (transcripts) or letters of honorable dismissal will not be issued. **The student will not be allowed to register for the next semester unless full payment has been received. Students should contact the Bursar to make arrangements to resolve their delinquent status.**

For students and parents desiring to pay education expenses in monthly installments, deferred payment programs are available through Academic Management Systems (AMS), Tuition Management Systems (TMS) and Key Education Resource Group, nationwide organizations specializing in educational financing. Some of the plans include insurance for the parent. Tuition, room and board can be handled through these plans. The Cashier's Office has detailed information.

Withdrawals after the ninth week of the semester are permitted only for prolonged illness, change of employment, or other circumstances beyond the student's control. A written request for a refund should be addressed to the Cashier's Office if a student withdraws before the end of the term. Refunds, when allowed and assuming that the tuition and fees have been paid in full, are made according to the published refund schedule.

College tuition and related charges are only refundable based on the published refund schedule. First time B-W students receiving Federal Title IV funds may be subject to a different refund schedule as required by federal regulations. For additional refund information contact the Financial Aid Office. The refund percentages will be prorated for courses that are less than a full semester.

For withdrawals before the beginning of the semester, 100 percent of the room and board charges are refunded. For withdrawals after the semester begins, all of the balance remaining in the student's board plan account is refunded subject to a minimum usage fee of \$100. Room charges will be refunded on a prorated basis.

Refunds of tuition, fees and other charges for financial aid students who drop courses or withdraw completely will be made in accordance with the policy in the 1998-2000 Guide to Financial Aid.

Students who do not abide by the regulations of the residence halls or who show an unwillingness to cooperate with those in charge may be requested to leave the residence hall without refund. A student leaving the College under disciplinary action is not entitled to any refund.

Policy on Academic Dishonesty

Academic dishonesty is defined by three characteristics:

- 1. Claiming someone's work as your own**--Examples include using answers from someone else's test or turning in a paper for which someone else did the research and/or writing; quoting from someone without acknowledging that you are quoting or giving the source of the quote. **Plagiarism**, using someone else's written or recorded words exactly, falls under this category. Plagiarism also includes paraphrasing someone else's argument as your own; or presenting someone else's line of thinking as your own.
- 2. Seeking unfair advantage over other students in taking a test or fulfilling an assignment**--Examples of such behavior include copying from another student's paper or communicating with another student during an examination; allowing other students to copy from your exam paper; copying from notes secretly brought into an exam; copying another student's homework or allowing a student to copy yours; and securing a copy of an examination when other students taking the exam do not have, or are not allowed to have access to a copy.
- 3. Claiming for someone else what is, in fact, your own**--An example would be signing the name of an academic advisor or any faculty or administrative person to an official form or document.

If there is tangible evidence that a student has engaged in academic dishonesty, sanctions may be taken against that student by an individual professor or by referring the student to either the Faculty/Student Problems Committee or the Student Judicial System (see the Student Handbook and/or Faculty Handbook for details.)

Section V

ADMISSION & REGISTRATION

First Time Undergraduate Students

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

Day Division

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, scores of the ACT or SAT examination, a teacher's recommendation, a writing sample 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. 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, 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 at minimum a solid B average in their academic course work and have demonstrated involvement and leadership in school or community organizations. Standardizes test scores generally reflect commensurate achievement and ability.

The College recognizes that some students may be well qualified to succeed in an undergraduate program without having followed a specific curriculum in high school. 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.

Continuing Education Division

Students applying to the Division of Continuing Education (Evening College or Weekend College) are required to submit an application and fee, high school or GED transcripts, and a letter of recommendation. Successful course work from an accredited college or university may be required of those students who do not demonstrate a strong college preparatory high school experience. Continuing Education students are not required to submit SAT or ACT scores. Candidates are invited to submit supplemental documentation such as résumé , personal statements or training seminar assessments in support of their applications. An on-campus interview with an admission counselor is highly recommended.

Successful candidates for admission typically demonstrate achievement patterns similar to those of candidates to the Day Division. However, the Admission Committee also recognizes that alternative learning experiences such as life responsibilities, military service and employment history can provide helpful insight into a Continuing Education candidate's potential for a successful academic experience at the College.

Undergraduate Transfer Students

All Divisions

Admission to the College is offered on a selective basis. To be considered for admission, candidates must submit an application and fee, a high school or GED transcript, a letter of recommendation and official transcripts or evidence of approved withdrawal from all previous colleges and universities attended. 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 one of the nation's six regional accrediting associations, 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.

Only 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 individual course or cumulative quality points or grades.

Transfer students must fulfill the College's 32 semester hour minimum residency requirement, as well as all stated College and departmental requirements, to qualify for degree status. Grade point calculations for academic honors designation at the time of graduation will include all grades earned at Baldwin-Wallace, as well as all grades earned in all courses taken at other institutions.

Baldwin-Wallace will not accept in 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. College credit for correspondence course work is limited to seven semester credit hours. All correspondence course work must be evaluated by the Registrar at the time of enrollment at the College.

Affiliated Programs 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 the AA and AS degree. These hours are applied to the College's liberal arts core requirements, major or minor requirements and general elective course requirements as designated by the faculty and the College and as indicated in the transfer guides regularly published for each area community college. Applicants must meet all normal admission requirements and conditions of the College.

Similarly, students who complete certain, approved technical degree programs at local community colleges are awarded 62 semester hours in transfer. Please see individual academic program listings in Section VIII of this catalog for complete requirements.

Affiliated programs include Allied Health, Business Administration and Criminal Justice.

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.

Transient Course Work

Students from other institutions attending B-W: The College may admit a student who has a 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 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 any 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. Students must be in good academic 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 their last 32 semester hours of course work in residence at Baldwin-Wallace. Special requests for transient status in the last 32 semester hours must be approved by the Dean of the College or the Dean of Enrollment Services.

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.

Students generally may not be enrolled in two institutions during the same semester without approval of the Registrar or enrollment in the NOCHE Cross Registration program endorsed by the College. Students wishing to complete correspondence work at other institutions are considered in transient, and are subject to all policies and provisions governing transient status stated herein.

Special Students

A Special Student is one who has earned a bachelor's degree and wishes to take supplemental undergraduate course work at Baldwin-Wallace College. Special application forms are available from the Office of Admission.

Special Students seeking degrees from B-W must also submit official college transcripts from each college or university attended, as well as a \$15.00 processing fee. Students seeking second degrees are subject to the same course transfer policies applicable to all transfer students.

Readmission

Former Baldwin-Wallace students seeking readmission after an absence should contact the Office of Registration and Records. Students seeking readmission 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. Students who have attended other institutions during the withdrawal period from the College must follow the admission procedures for transfer students stated herein.

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

Registration

Day Division: Students regularly enrolled in the Day Division must register in person 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 the academic advisors to whom they have been assigned.

Continuing Education Division/Graduate Division: Students regularly enrolled in the Evening College, the Weekend College and Graduate programs, including students entering B-W for the first time, may register in person, by mail or by fax at times specified by the Registrar.

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 with fewer than ten registrants 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.

Students required to complete course work at Baldwin-Wallace and at another institution simultaneously must have the approval of the Registrar. In such cases, the total credit hours taken may not exceed 18.

Cross Registration Program

Under the Cross Registration Program of the Northeast Ohio Council on Higher Education, full-time undergraduate students in good academic standing are eligible to register at one of fourteen local colleges and universities for one course at no additional cost. The combined course load may not exceed 18 semester hours. Registration forms are available in the Office of Registration and Records.

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 plus a physical education course of one-half to one credit hour. 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 of 6 to 8 credit hours per semester are classified as full-time students. Graduate students enrolled in a program of three to five credit hours per semester are considered half-time students.

Changes in Schedule

Day Division: All schedule changes by Day Division students must be submitted in person at 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.**

Students must review proposed schedule changes with their academic advisors, and must submit a completed Change of Schedule form, including advisor signature, to the Office of Registration and Records before a schedule change is officially recorded. Failure to submit a completed, signed change form will void any pending transactions. Change of Schedule forms are available at the Office of Registration and Records.

Continuing Education Division/Graduate Division: Students must report 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 any course after the fifth day of the semester, or drop any course 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.

The responsibility to complete schedule changes in a timely and proper manner rests with each student. Students should consult the academic calendars printed in this catalog and/or the appropriate Course Schedule Booklet 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

Students may withdraw from classes 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 sixteen week semester may have other specified withdrawal periods.

Withdrawal after the ninth week or other specified withdrawal period may be approved only in cases of prolonged illness, change of employment or other circumstances beyond the student’s control. Lack of academic progress is not a sufficient reason for an approved withdrawal after the ninth week of the semester.

Students wishing to withdraw from classes after the ninth week must submit a written petition and documentation of extenuating circumstances to the Registrar for review. If the petition is approved, a grade of “WP” or “WX” will be assigned to each course withdrawn. The “WP” grade will be assigned indicating passing coursework at the time of withdrawal. The “WX” grade 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.

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 Office of Continuing Education, 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, student ID

number, major field of study, degree(s) conferred (including dates), date of birth, class schedule.

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. To withhold disclosure, written notification must be received in the Office of Registration and Records at a time established by the Office. 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

The Summer Semester at Baldwin-Wallace includes both regular Day Division and Continuing Education Division programs with day, evening and Weekend College courses. It is designed for both full- and part-time students.

General Guidelines for Summer Semester

1. The Summer Semester consists of two six-week sessions; a few courses will meet for the entire 12 weeks while other specialized courses may meet for less than six weeks.
2. Classes are held during the day, evening and on the weekends, usually two to five days per week. Weekend College courses are available to Day Division students upon approval of the Dean of Continuing Education.
3. The full-time, credit-hour load for each session is defined as eight hours, exclusive of science labs or physical education courses. Overloads for students with 3.0 GPA or above may be considered by the Registrar.

Non-Discriminatory Policy

Baldwin-Wallace College admits students of any race, color, national and ethnic origin to all the rights, privileges, programs and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national or ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.

Section VI

STUDENT EXPENSES & FINANCIAL AID

Tuition does not cover the full cost of the instructional and operating costs of the College. Other sources of income are from endowment and gifts and contributions from churches, trustees, alumni and other friends of the College. All rates given are subject to change without notice.

New Student Deposits

Upon admission to the College, each new student is required to pay a \$100 tuition deposit prior to registration. The deposit is due within one month of notification of acceptance, and is required of students planning to live on campus and those planning to commute. The entire \$100 deposit will be credited to the first semester's tuition charges.

For those students planning to live on campus, an additional \$100 housing deposit is required prior to the assignment of housing. The deposit must be submitted along with the student housing application, and is held as a damage and security deposit. Students may request a deposit refund at the time they leave the residence halls.

Tuition 1998-99*

College tuition is \$13,940 per year for undergraduate students enrolled for 12 to 18 credit hours per semester. Tuition for students enrolled in the Conservatory of Music is \$15,110 per year.

Undergraduate students enrolled for fewer than 12 credit hours per semester are charged \$450 per credit hour for day classes, \$490 per credit hour for Conservatory classes, and \$320 per credit hour for Evening College and Weekend College classes. Students enrolled for more than 18 credit hours are charged the appropriate hourly fee for each credit hour of overload in addition to the full time semester charges.

The audit charge for undergraduate classes is \$160 per credit hour; the audit charge for graduate classes is \$245 per credit hour. Full-time undergraduate students may audit up to five overload hours for no additional charge.

Tuition and fees for 1999-2000 will be published in the Spring of 1999.

**All tuition and fees are subject to change without notice.*

Other Fees

A health insurance plan is offered to all full time students each year. The 1998-99 premium is \$156 for each student enrolled for a full year of coverage. The premium is assessed on the fall semester account statement. This coverage is optional; however, to eliminate the coverage and remove the charge the student must complete and return the waiver form to the Cashier's Office. Details regarding the plan are mailed to all registered full-time students prior to the beginning of fall term. Questions regarding the plan should be addressed to the Cashier's Office.

A charge of three dollars is made for each transcript of record from the Registrar's Office.

Residence Halls

In fulfilling its mission of offering a liberal arts education, Baldwin-Wallace College provides on campus residence and dining halls, and welcomes and encourages students to live on campus.

A \$100 housing deposit and completed housing application is required. The date of the deposit will determine priority for room assignments and, when necessary, assignment to waiting lists. Students may move into their residence halls at times specified by the Dean of Students.

Most residence hall rooms are constructed and equipped for double occupancy, with a 1998-99 rental fee of \$1,245 per semester. There are limited numbers of single, triple and quad housing spaces on campus. Students should contact the Office of Residence Life for availability and charges.

Damage to a room or College furnishings beyond ordinary wear and tear will be charged directly to the student. Damage to College property not assignable to individual students may be prorated to students within the group responsible.

College fire and theft insurance covers College property only. It is recommended that all students arrange for insurance coverage for their personal possessions.

Food Service

All students living in College residence halls are required to have a board account and eat in the College dining facilities. Students residing in College-owned apartments may choose to open a board account.

All food items are priced individually. The total cost of each meal is calculated and deducted from the individual's board plan account. This is achieved through the use of the Jacket Express* debit card. Each student is issued a Jacket Express card, which may be used in any campus cafeteria and the snack bar whenever these units are open. It may also be used to order certain delivered foods such as pizza when food is not being served in the cafeterias.

**The Jacket Express card is a person's official College ID card during his/her years at B-W. The card permits admission to all College facilities and events and validates registration for voting in student elections. It also functions as a debit card for certain on-campus purchases.*

Financial Aid

Baldwin-Wallace College seeks to attract students with a broad range of experiences and

high academic potential to fulfill its mission of providing a quality liberal arts education. To ensure this diversity, Baldwin-Wallace is committed to enabling interested and qualified students to attend, regardless of financial circumstances.

In order to apply for financial assistance, students are required to submit the Free Application for Federal Student Aid (FAFSA) to a federal processor detailing the financial situation of their families. An analysis of the FAFSA form using U.S. Department of Education standards provides an equitable and objective means of determining a reasonable family contribution toward educational costs. Once the results of this analysis are available, the Financial Aid Office reviews the data and makes an evaluation of each applicant's financial need. A family is also required to complete a B-W financial aid application and may be required to submit a copy of their U.S. Tax Return before an aid award is finalized. Applicants who are Ohio residents must also apply for an Ohio Instructional Grant, using the FAFSA application.

If a family's income and assets are not sufficient to meet the full cost of a student's education at Baldwin-Wallace, the College may offer assistance to help meet financial need. The principal types of aid awarded to applicants are grants, scholarships, long-term loans and campus employment. Most students receive a combination of gift aid, loan and/or work-study opportunity.

If family resources are adequate to meet educational costs, students are not eligible for need-based aid. Such students, however, may qualify for scholarships awarded in recognition of outstanding academic potential or special talent.

Students who are accepted for admission and who apply for financial assistance are automatically considered for all available forms of aid. Separate applications for special funds or scholarships are not necessary, except where noted. Most types of aid are limited to full-time students.

Financial aid forms must be filed each year in which aid is requested. Financial need is reevaluated each year in light of any changes in family financial circumstance. Therefore, a student's need based assistance will not necessarily remain the same from year to year.

Transfer Students are eligible for consideration for all forms of financial assistance upon acceptance to the College. The same application procedures noted herein apply. In addition, a Financial Aid Transcript from all other colleges attended is required.

Part-time Students are eligible to apply for certain types of assistance. Undergraduate students registered for at least six semester credit hours are eligible to apply for Federal Pell Grant, Stafford Student Loan, Perkins Loan and College Work-Study employment. Students should follow the same application procedures noted herein. Undergraduate students enrolled for five semester credit hours or less may not be eligible to receive certain forms of assistance. Ohio students enrolled part-time who qualify for the Federal Pell Grant may also be eligible for Part-Time Ohio Instructional Grant assistance.

Continuing Education Students from Cuyahoga County may receive loan assistance from the College. The C.E.N.T.S. loan program was created to assist non-traditional students attending B-W. Students eligible for federal need-based assistance are not eligible for the C.E.N.T.S. loan program.

Gift Assistance

Baldwin Wallace Grant is based on financial need as determined by the analysis of the FAFSA and other student application materials. The award is made on an annual basis.

Federal Pell Grant is an entitlement grant awarded through the federal government based on the results of the FAFSA application. Students are notified of the results of their application through the Student Aid Report which is sent directly to them by the Federal processor.

Ohio Instructional Grant is an Ohio state funded aid program. Eligibility is limited to residents of Ohio. Application is made through the FAFSA. All Ohio residents applying for financial assistance must submit a FAFSA application requesting the processor to release income and asset data to the State of Ohio. The Ohio Board of Regents will send eligible students award certificates which should be submitted to the Financial Aid Office.

Ohio Student Choice Grant is available to all Ohio residents who are enrolled as full-time undergraduate students in a program leading to a bachelor's degree at one of Ohio's many independent colleges or universities. Only those students attending college for the first time on a full-time basis after July 1, 1984 are eligible to receive the Choice Grant. Eligible students must complete the B-W Student Financial Aid Information Form which is available from the Financial Aid Office.

Federal Supplemental Educational Opportunity Grant (SEOG) is a federal entitlement program designed to assist students with exceptional financial need as determined by the FAFSA analysis. Due to limited funding, not every student with exceptional need will receive a SEOG. Instead, the College assists with B-W grant money.

B-W Ministerial Grant of one-half tuition may be made to ordained United Methodist ministers who are full members of an annual conference and their unmarried dependent children who are full-time students. Ministerial grants also are available for United Methodist missionaries in active or retired service and their unmarried dependent children who are full-time students. Students may be eligible for additional need-based assistance based upon the results of the FAFSA application.

Merit Scholarship Assistance

The College has established several special scholarships which recognize outstanding academic and personal achievement. These scholarships are made available to students regardless of financial need, and include the following awards:

Presidential Scholarships of up to \$6,000 are awarded to students who graduate in the top 15 percent of their high school class and whose ACT or SAT scores indicate strong academic ability. Awards are renewable annually based on GPA of 3.0 or higher.

Trustees Scholarships of up to \$5,000 are awarded to student who achieve a 3.2 cumulative GPA or rank in the top 25 percent of their high school class. Awards are renewable annually based on a GPA of 2.8 or higher.

Deans Scholarships of up to \$4,000 are awarded to students who achieve a 3.0 cumulative GPA or rank in the top 30 percent of their high school class. Awards are renewable annually based on the 2.8 GPA or higher.

Laurels Scholarships of up to \$5,000 are awarded competitively each year to students whose commitment to the highest levels of academic excellence, scholarly pursuit, and personal growth will enrich the intellectual climate of the College. Awards are renewable annually based on academics and college contribution.

Founders Awards of up to \$3,500 are awarded competitively to students whose outstanding academic skills and diverse personal qualities will enrich campus life, foster community spirit, and advance the mission of the College. Awards are renewable annually based on academics and college contribution.

B-W Scholars Awards of up to \$4,000 are awarded competitively to students based on a cumulative GPA of 3.5 or rank in the top 20 percent of their high school class or have a minimum ACT composite score of 25 or minimum combined SAT score of 1130. The award is also based on extracurricular involvement, outstanding leadership qualities and strong writing skills. Awards are renewable annually based on academics and college contribution.

Multicultural Scholarships of up to \$4,000 are awarded competitively to students of color whose academic skills, extracurricular and community involvement, and demonstrated leadership qualities will enrich and advance the multicultural diversity of the College. Awards are renewable annually based on academics and college contribution.

Griffiths Scholarships of up to \$3,000 are awarded to Conservatory student who demonstrate both musical and academic ability. Awards are renewable annually based on GPA.

Alumni Scholarships of up to \$1,000 are awarded to children and grandchildren of B-W alumni and are automatically renewed annually.

Loan Assistance

Federal Perkins Loans are awarded to students on the basis of financial need as calculated from the FAFSA application. Recipients of a Perkins Loan must enroll in a minimum of six credit hours per semester during the period that the loan is in effect. Due to limited funding, not every student with financial need will be awarded a Perkins Loan. Interest does not accumulate during the period that the student is enrolled in college on at least a half-time basis.

Federal Subsidized and Unsubsidized Stafford Loans are available on the basis of need as calculated from the FAFSA application through participating lending institutions. Eligible students may have the interest paid by the federal government while attending school. Repayment begins six to nine months after the student is no longer enrolled in college on at least a half-time basis. Students receive a pre-approved loan application prepared for them by Great Lakes Higher Education Corporation which includes a list of several lenders from which to choose.

Federal PLUS Loan is designed to help parents of full-time or part-time dependent undergraduate students. Repayment begins 60 days after the origination of the loan. Parents may apply for the loan by picking up an application through a lender or by asking for one from the Financial Aid Office.

Student Loan Fund of the United Methodist Church permits a limited number of students who are members of the United Methodist Church to secure loans. The fund is administered by the Church's Board of Education. Applications are made through the Financial Aid Office.

The C.E.N.T.S. Loan is a Baldwin-Wallace College loan program created to assist non-traditional students attending B-W on a part-time basis. Students eligible for federal need-based assistance are not eligible for the C.E.N.T.S. loan program. Eligible students must reside in Cuyahoga County. A separate application and credit reference check is required along with the filing of traditional financial aid forms. No payments are required while the student is enrolled. The number of loans made each year is limited.

The B-W Multicultural Emergency Loan is designed to help those students who have both a multicultural heritage and a particular financial need. Loan approval is determined by the student's purpose for the loan, academic status, financial need, credit status and financial aid award status. A limited number of awards are made each year.

Employment Assistance

The Federal College Work- Study Program provides employment opportunities to students on the basis of financial need as determined by the FAFSA application. Earnings from Work-Study employment are limited by the award amount contained in the student's financial aid award.

Student employees may work up to a maximum of 20 hours per week while classes are in session and 40 hours per week during vacation periods and summers. Although students offered work awards are not guaranteed employment, students typically have little difficulty finding work through the Student Employment Office.

Named Endowed/ Restricted Scholarships

Baldwin-Wallace offers a number of special scholarships and prizes made possible by alumni, churches, civic organizations, corporations, foundations and other friends of the College. These funds greatly enhance the College's ability to offer gift assistance.

These named scholarships are processed through the Financial Aid Office and do not require separate applications except where stated. Whenever funds are designated by such factors as academic major, grade point average, geographic origin, church affiliation or personal qualities, the Financial Aid Office assumes responsibility for locating an appropriate recipient for the award.

Amounts available are subject to endowment performance and future gifts.

Prizes are awarded on Honors Day each spring to deserving upperclass students. Students who have achieved excellent academic performance are honored by the College at these ceremonies. Recipients of these awards are selected by the different academic departments. For more information about Honors Day Awards, contact the appropriate academic department or the Financial Aid Office. A complete list and descriptions of endowed scholarships are available in the Financial Aid Office.

Section VII

CONTINUING EDUCATION PROGRAM

Baldwin-Wallace has been active in adult education programs since the 1940s and continues to provide adult students with a rigorous curriculum and support services designed especially for them. Although adult students may enroll in the traditional day curriculum, the Continuing Education Program is designed specifically for students who enter the Evening College or Weekend College. Degree-seeking students entering the Evening College and/or Weekend College will find that course formats are designed to accommodate the special time constraints of working adults; adult students who are exploring learning opportunities and want to discover more about the Continuing Education Program may enroll as non-degree students in a course for credit or as an audit.

Continuing Education Program students (Evening and/or Weekend College) 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, academic support services, transfer credit, and admissions.

Course descriptions and specific course and credit requirements for the College core and majors approved for Continuing Education are found in Section VIII.

Continuing Education Class Schedule and Format

The Evening College program offers courses in the evenings, Monday through Thursday, during Fall, Spring, and Summer 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.

The Weekend College program differs from the evening primarily in that the amount of time in class is substantially reduced for every course. The Weekend College combines the traditional class format with a considerable amount of independent work. Courses are scheduled for Saturday and Sunday on alternate weekends.

The PACE Program (Personal Accelerated College Experience) is an accelerated degree program for Continuing Education students majoring in Business Administration. Students can complete a degree in as little as two years by combining courses in the Weekend and Evening College.

General Academic Program and Majors

Continuing Education degree-seeking students must satisfy degree requirements as outlined in Section I which includes completion of the core and an academic major. The following majors are offered in the Continuing Education Program:

Evening College Departmental Majors

Business Administration

Computer Information Systems

Economics

Education (Some day courses are required for this major including all education field experience.)

English (A combination of Evening and Weekend College courses is necessary)

History (A combination of Evening and Weekend College courses is necessary)

Political Science

Psychology (A combination of Evening and Weekend College courses is necessary)

Sociology (A combination of Evening and Weekend College courses is necessary)

Speech Communication (A combination of Evening and Weekend College courses is necessary)

The Evening College also offers interdisciplinary majors in the following:

Allied Health

Communications (A combination of Evening and Weekend College courses is necessary)

Criminal Justice

Human Services (A combination of Evening and Weekend College courses is necessary)

Weekend College Departmental Majors:

Business Administration

English (A combination of Evening and Weekend College courses is necessary)

History (A combination of Evening and Weekend College courses is necessary)

Sociology (A combination of Evening and Weekend College courses is necessary)

Psychology (A combination of Evening and Weekend College courses is necessary)

The Weekend College also offers interdisciplinary majors in:

Communications (A combination of Evening and Weekend College courses is necessary)

Human Services (A combination of Evening and Weekend College courses is necessary)

For course descriptions, general information, course and credit requirements for the above majors, refer to Section VIII of the Catalog.

Special Academic Programs

In addition to other applicable programs and support services cited in Sections II and III of the catalog, the following have proven particularly useful for adult students:

Certificate Programs are offered in Accounting, Communications, Computer Information Systems, Gerontology, Human Resources Management, Information Technologies, Organizational Development, Purchasing and Sales Management, and Wellness. For more details, see Section VIII.

College Credit Recommendation Service, Prior Learning Assessment–Portfolio Evaluation and the College Level Examination Program are examples of B-W's willingness to grant college credit for knowledge and expertise acquired outside an accredited classroom setting when that knowledge is related to the College's curriculum. For more details, see Section II of the Catalog.

Academic Advising and Registration

Once a student is admitted to the Continuing Education Program, the College urges the student to contact the Continuing Education Office for an advising appointment before registering for classes. The College strongly recommends that adult students maintain periodic contact with an academic advisor to make sure that course selections and loads are appropriate. **Ultimately, the student is responsible for making sure that all requirements are met.** Advising appointments can be made for Monday-Thursday evenings or on Saturdays when the Weekend College is in session; advising appointments are coordinated by the Office of Continuing Education.

The first registration must be done in person. After a student's first semester, all subsequent registrations may be done by fax or mail. All evening and weekend students are sent a registration packet several weeks before the start of the next term. The registration form contained in the packet can then be faxed or mailed directly to the Registrar. Enrollment is done on a first-come-first served basis with priority for students with 100 credit hours and above. The registration materials include deadlines for fax or mail registrations, descriptions of special and/or new courses being offered, and other useful information. Please note that registration for Weekend College ends one week prior to the first weekend class. Late registration for evening class is accepted until the end of the first week of class.

Tuition and Fees

Part-time Continuing Education students (1-11 credit hours per term) pay per credit hour enrolled. If a student takes 12-18 semester credit hours, the student is considered a full-time student, and is charged a flat tuition that is the same for all students. If a part-time Evening or Weekend student takes day courses, day tuition rates apply for those courses. Unpaid tuition charges are assessed a carrying charge. Other policies on tuition and fees are outlined in Section VI of the Catalog.

Baldwin-Wallace offers a Tuition Reimbursement Payment Plan (TRPP) for students receiving tuition assistance from employers. TRPP permits a student to defer payment to B-W until the receipt of tuition reimbursement from the employer. Students receiving tuition support from employers should contact the College Bursar to make suitable arrangements for payment.

Financial aid and scholarships are available to Continuing Education students who meet eligibility criteria. It should be noted that Continuing Education students must be enrolled in at least six semester credit hours per term to qualify for financial aid.

Continuing Education Student Organizations

The Continuing Education Student Association (CESA) is open to all continuing education students. CESA is many things: an advocate for the interests and concerns of evening and weekend students; an opportunity for informal networking among adult students, and an organizer of special programs and activities for adult students.

Alpha Sigma Lambda is the national honor society for Continuing Education students. Membership selection occurs twice a year and is based on a grade point average of at least 3.2 for 24 or more hours at Baldwin-Wallace plus evidence of volunteered campus and/or community leadership. The local chapter, Beta Epsilon, is one of more than 270 throughout the country. It is an active chapter which sponsors annual social and philanthropic events. It recognizes outstanding full-time and adjunct faculty through special awards and arranges campus scholarships open to all Continuing Education students.

For further details on any of the above, contact the Office of Continuing Education.

Section VIII

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 except the information for the Conservatory of Music which is listed in Section IX.

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CORE CURRICULUM REQUIREMENTS

All students must pursue a course of study sufficiently varied to acquaint them with a broad spectrum of human knowledge. In doing so, they must also utilize and develop those skills which are essential to success in academic work as well as in one's personal and professional life. Each core course provides an opportunity for students to develop their skills in at least two of the following areas: Research, Social Interaction, Ethical Implications of Subject Matter, Problem-Solving, Writing, Oral Communications and Quantitative Methods.

The core curriculum requirements include **44 credits** of course work in the following areas:

HUMANITIES: Twenty credits in the disciplines of the humanities, including the following:

Fine Arts: Four credits

Fine Arts encompasses the academic areas of art, dance, literature, music and theatre. Courses offered by the HPE Division that may apply include HPE 214, 217, 331, 333 and dance technique courses from HPE 131, 132, 133, 134. The courses in dance technique may be designated by the student as applicable to either fine arts or the HPE core requirement: the same credit may not apply to both.

Composition: Three credits

All first-year students are required to take English 111 or 131 within their first 35 credit hours at B-W. Students who are required to take English 105 as well as English 111 must complete these two courses within their first 50 hours. Placement within these three courses—English 105, 111, and 131—will be determined by test scores.

Transfer students who have not already completed the writing requirements are subject to the same rules as first-year students.

Cultural Heritage: Seven credits

Two of the following fields must be included: history, religion or philosophy.

The remaining six hours of the 20 required in humanities may be chosen from appropriate courses in the departments within the Division of Humanities: art, English language and literature, foreign languages and literatures, history, philosophy, religion, and speech communication and theatre.

General Humanities courses, designated HUM rather than by department, may also be used to fulfill this aspect of the core but may not count toward the Fine Arts, Composition or Cultural Heritage requirements.

NATURAL SCIENCES: Nine credits

Two or more of the following fields must be included: astronomy, biological sciences, chemistry, geology, nutrition or physics. At least one course must be a laboratory course. (PHY 180 does not apply to the natural sciences portion of the core.)

SOCIAL SCIENCES: Ten credits

Two of the following disciplines of the social sciences must be included: criminal justice, economics, political science, psychology, sociology/anthropology. (ECN 279 and PSY 279 do not apply to this portion of the core.)

HEALTH AND PHYSICAL EDUCATION: Two credits

To satisfy the health and physical education core curriculum requirement of the College, students must complete two credits to be selected from HPE 121, 122, 123, 131, 132, 133, or 134. No activity may be repeated for credit except at a more advanced level. Students who have individual needs or are physically challenged should confer with HPE faculty to discuss the selection of appropriate courses. Courses in dance techniques may be designated by the student as applicable to either the fine arts or the HPE core requirement; the same credit may not apply to both.

MATHEMATICS: Three credits

Selection may be from any courses with a MTH prefix. Placement recommendation is based on test scores.

INTERNATIONAL STUDIES

As part of the core curriculum requirements, each student must fulfill one of the following three options:

Foreign Language

Students must take one year of one foreign language excluding Foreign Languages & Literatures courses taught in English.

Study Abroad

This requirement can be fulfilled by one of the following: 1. earning academic credit in an approved "study abroad" seminar or course which involves travel abroad; 2. living abroad and attending a non-U.S. elementary or secondary school for at least one academic year; or 3. other abroad experiences as approved by the International Studies Committee.

Course Work in International Studies

Students may take three courses from the following list with no more than two courses from the same department. In order to be included in this list, courses should meet at least one of the following criteria: 1. explore international aspects of cultural diversity;

2. explore current global problems; 3. develop competencies in international communications; or 4. explore international aspects of political and economic systems.

The following courses are included in this list either because they meet the current international requirement of the core curriculum, or they are approved after consultation with the faculty in the concerned department.

- ART 102 Art Appreciation
- ART 231 Western Art I
- ART 232 Western Art II
- ART 331 Northern Medieval Art
- ART 332 Southern Medieval Art
- ART 333 Northern Renaissance Art
- ART 334 Southern Renaissance Art
- ART 431 Nineteenth Century Art
- ART 432 Twentieth Century Art

- BIO 200 Science (when appropriate)

- BUS 436 International Marketing
- BUS 444 International Financial Management
- BUS 463 Seminar (when appropriate)

- ECN 150 Humans and the Earth: Can we Coexist?
- ECN341 Episodes in Economic History of North America and the Caribbean
- ECN360 Comparative Economic Systems
- ECN362 Economics of Developing Countries
- ECN365 International Economics

- ENG126 Introduction to Fiction (when appropriate)
- ENG 241 Survey of British Literature I
- ENG 242 Survey of British Literature II
- ENG 280 Survey of World Literature
- ENG 316 Studies of Literary History (when appropriate)
- ENG 328 Studies of Major Authors (when appropriate)
- ENG 335 Studies in World Literature
- ENG 336 Studies in specific Genres, Themes or Modes

- FRN 240 Contemporary France
- FRN 275 Introduction to French Literature
- FRN 310 French Civilization I
- FRN 311 French Civilization II
- FRN 375 Survey of French Literature I
- FRN 376 Survey of French Literature II
- FRN 463 Seminar (when appropriate)

- FLL 300 German Classics in Translation
- FLL 301 Recent German Literature in Translation
- FLL 310 Survey of German Film
- FLL 320 Germany and Fascism

- GER240 Contemporary Germany
- GER275 Introduction to German Literature
- GER310 German Civilization

- GER375 Survey of German Literature I
 GER 376 Survey of German Literature II
 GER463 Seminar (when appropriate)
- GEO 121 Physical Geography
 GEO 200 Science
 GEO 210 World Regional Geography
 GEO 214 Political Geography
- HIS 121 History of Europe I
 HIS 122 History of Europe II
 HIS 209 Church History
 HIS 211 Ancient and Medieval History
 HIS 227 History of Africa
 HIS 235 Women and Western Civilization
 HIS 240 War and Peace in the Twentieth Century
 HIS 260 Topics of History (when appropriate)
 HIS 267 Vietnam: Causes and Consequences
 HIS 271 History of England I
 HIS 272 History of England II
 HIS 289 The Modern Middle East
 HIS 291 East Asia
 HIS 313 Renaissance and Reformation
 HIS 323 The French Revolution
 HIS 331 Europe in the Nineteenth Century
 HIS 333 Europe in the Twentieth Century
 HIS 341 European Institutional Development
 HIS 345 Russia
 HIS 347 British Institutional Development
 HIS 463 Seminar in History (when appropriate)
- HPE 214 Dance History
- HUM 285 Introduction to Intercultural Communications
- INT 100 Introduction to International Studies
- MUS 171 Art of Listening to Music (for Continuing Education students)
 MUS 195 World Music (for Continuing Education students)
 MUS 221 Introduction to Music Literature
 MUS 222 Music History and Literature I
 MUS 227 History of Opera (for Continuing Education students)
 MUS 321 Music History and Literature II
 MUS 322 Music History and Literature III
- PHL 211 History of Philosophy I
 PHL 212 History of Philosophy II
 PHL 214 Existentialism
- POL 100 Introduction to Politics
 POL 102 Concentration in Politics (when appropriate)
 POL 211 International Politics
 POL 214 Political Geography
 POL 221 Modern Governments
 POL 228 The Middle East Today

- POL 263 Seminar in Political Science (when appropriate)
- POL 311 American Foreign Policy
- POL 314 Comparative Foreign Relations
- POL 315 International Organization
- POL 316 International Organization: Case Studies
- POL 322 Russia and Eastern Europe
- POL 323 Government and Politics in the English-speaking Caribbean
- POL 324 Government and Politics of Latin America
- POL 325 Politics of Latin American and Caribbean Development
- POL 327 Asian Political Systems
- POL 329 Government and Politics in Sub-Saharan Africa
- POL 463 Seminar in Political Science (when appropriate)

- REL 104 Concentration in Religion (the study of Buddhism, Hinduism and Islam only counts toward the IS core requirement)
- REL 110 Judaism
- REL 202 Introduction to the Hebrew Bible/Old Testament
- REL 203 Jesus and the Gospels
- REL 204 Christianity in the New Testament
- REL 205 The History of the Bible
- REL 240 Power of Myth
- REL 263 Seminars (when appropriate)

- SOC 180 Archeology and Human Evolution
- SOC 181 Cultural Anthropology
- SOC 263 Seminar in Sociology (when appropriate)
- SOC 302 Racial and Cultural Minorities
- SOC 303 Urban Community Life
- SOC 463 Seminar in Sociology (when appropriate)

- SPN 240 Contemporary Spain & Latin America
- SPN 275 Introduction to Hispanic Literature
- SPN 310 Spanish Civilization
- SPN 311 Spanish-American Civilization
- SPN 375 Survey of Spanish Literature
- SPN 376 Survey of Spanish-American Literature
- SPN 463 Seminar (when appropriate)

- SCT 191 Classic Theatre Literature
- SCT 192 Modern Theatre Literature
- SCT 288 History of Theatre I
- SCT 289 History of Theatre II

Program Option

Students desiring to fulfill the general core curriculum requirements within a particular division of the College in a manner other than that described in the Model Program must submit their requests in writing to the chairperson of that division. The requested alteration will be made only with the approval of the majority of the division faculty. Copies of the approved alternate program must then be sent to the registrar of the College and to the student's faculty advisor. This request must be made prior to the student earning 90 credit hours toward a degree at Baldwin-Wallace.

ALLIED HEALTH

This major is for transfer students only.

Baldwin-Wallace College, through special affiliations with local community colleges, accepts credit earned in selected allied health programs toward the Bachelor of Science degree with a major in allied health or a B.A. in other major areas. Students who qualify for admission to Baldwin-Wallace College and have received the Associate of Applied Science degree from the specified community colleges will be awarded 62 hours of credit. The programs offered by area community colleges with which the affiliations exist are:

Cuyahoga Community College

Dental Hygiene
Occupational Therapy Assisting
Physician's Surgical Assistant
Radiography
Respiratory Therapy
Medical Laboratory Technology

Lakeland Community College

Dental Hygiene
Respiratory Therapy

Lorain County Community College

Radiography
Medical Laboratory Technology

Students from other than the college listed may also apply in the areas indicated but must obtain an Ohio certification to practice and have their preparatory program evaluated. In these cases the full 62 hours may not always be granted.

Allied Health

Computer Code:ALHT

Maximum Transfer Credits: 62 --Remaining credits (minimum) at Baldwin-Wallace College (plus prerequisites as indicated): 62

Required courses

BIO 112	Principles of Biology	3 credits
BIO 114	General Zoology	3 credits (Prerequisite required)
Plus BIO at the 300/400 level		4 credits
CHM 111, 111L, 112, 112L	General Chemistry and Labs	9 credits
MTH 136	Applied College Mathematics	3 credits (Prerequisite required)
	Total	22 credits

All students who enroll at Baldwin-Wallace must fulfill the general core curriculum requirements of the College. Many of the core and some of the major requirements may be met by course work already taken in the associate degree program at the community college. Also, courses earned at another four year institution may be used to fulfill some of these requirements. Students may select some elective courses to complete the 124 credit hours required for graduation. It is hoped that students will take advantage of the opportunity to add an even richer liberal arts component to their technical education.

ART

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

Major

The department offers 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 102 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.

Those students participating in the Sport/Dance/Arts Management Program will be advised to complete an art studio concentration in the department. For a complete description of this program, see page 249.

History of Art Major

Computer Code: ARTH

Minimum credits required: 36 (plus prerequisites as indicated).

Required courses

History of Art--32 credits required

ART 231	Western Art I	4 credits
ART 232	Western Art II	4 credits
ART 234	Survey of American Painting and Sculpture	3 credits
ART 331	Northern Medieval Art	3 credits
ART 332	Southern Medieval Art	3 credits
ART 333	Northern Renaissance Art	3 credits
ART 334	Southern Renaissance Art	3 credits
ART 335	American Architecture and Urban Planning	3 credits
ART 431	Nineteenth Century Art	3 credits
ART 432	Twentieth Century Art	3 credits

Studio Art --4 credits required

ART 110	Drawing I	2 credits
ART 115	Two Dimensional Design	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

HISTORY OF ART MAJOR--cont'd next page

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. The minor in Art History consists of a total of 17 hours, including ART 231, 232, 234, and two upper level courses. A maximum of one transferred course from another institution can help comprise the minor in Art History.

Studio Art Major

Computer Code: ARTS

Majors will be required to participate in a yearly critique with the studio faculty. In addition, senior candidates for graduation will choose and mount a senior exhibition in April of their graduation year. The department also requests that enrolling freshmen studio majors present a portfolio of six to ten works when meeting with their faculty advisor.

Minimum credits required: 32 (plus prerequisites as indicated).

Required courses

Studio Art--24 credits required

ART 110	Drawing I	2 credits
ART 111	Drawing II	2 credits (Prerequisite required)
ART 112	Fundamentals in Art and Design	2 credits
ART 212	Drawing III	2 credits (Prerequisite required)
ART 115	Two Dimensional Design	2 credits
ART 116	Three Dimensional Design	2 credits
ART 117	Color Theory	2 credits
Additional Studio Courses		10 credits

History of Art--8 credits required

ART 231	Western Art I	4 credits
ART 232	Western Art II	4 credits

Those students participating in the Sport/Dance/Arts Management Program will be advised to complete an art studio concentration in the department. For a complete description of this program, see page 249.

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: 49 (plus prerequisites as indicated).

Required courses

Studio Art--32 credits required

ART 110	Drawing I	2 credits
ART 111	Drawing II	2 credits (Prerequisite required)
ART 212	Drawing III	2 credits (Prerequisite required)
ART 115	Two Dimensional Design	2 credits
ART 116	Three Dimensional Design	2 credits
ART 117	Color Theory	2 credits
ART 222	Introduction to Photography	OR
ART 225	Introduction to Computer Imaging	2 credits
ART 213	Introduction to Painting	2 credits
ART 246	Introduction to Sculpture	2 credits
ART 216	Introduction to Ceramics	2 credits
ART 248	Introduction to Printmaking	2 credits
ART 328	Materials and Techniques	2 credits
Required Studio Elective Hours		8 credits

History of Art--17 credits required

ART 102	Art Appreciation	3 credits
ART 231	Western Art I	4 credits
ART232	Western Art II	4 credits
ART234	Survey of American Painting and Sculpture	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 17 hours, including ART 231, 232, and 234, and two upper 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 110, 115, 232, plus four studio courses of the student's choice.

Course Descriptions

History of Art

ART 050 INDEPENDENT STUDY

One to four credit hours

See independent study program, Section II.

ART 070 FIELD EXPERIENCE/INTERNSHIP

One to twelve credit hours

See Field Experience/Internship Program, Section II.

ART 102 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.

ART 103 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.

ART 231 WESTERN ART I***Four credit hours***

A survey of proto-literate, ancient, early medieval, Islamic, Romanesque, Gothic and Northern Renaissance art.

ART 232 WESTERN ART II***Four credit hours***

A survey of Southern Renaissance, Mannerist, Baroque through contemporary art.

ART 234 SURVEY OF AMERICAN PAINTING AND SCULPTURE ***Three credit hours***

A survey of American painting and sculpture from the colonial era to World War II.

ART 263 SEMINAR IN ART HISTORY***One to three credit hours***

Areas of specialized interest are offered.

ART 331 NORTHERN MEDIEVAL ART***Three credit hours***

A study of the art of Western Europe from the Carolingian period to the 15th century.

ART 332 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.

ART 333 NORTHERN RENAISSANCE ART***Three credit hours***

A survey of the art of the Netherlands, France, Germany and England from 1400-1600.

ART 334 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.

ART 335 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.

ART 431 NINETEENTH CENTURY ART *Three credit hours*

A study of European art from the revolutionary period to 1900, emphasizing the works of major painters and sculptors.

ART 432 TWENTIETH CENTURY ART *Three credit hours*

A study of the history of art in Europe and America since 1900.

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 110 DRAWING I *Two credit hours*

An introduction to various drawing techniques including pencil, charcoal, pen and ink, and color pencil. Beginning study of still-life and perspective will be included, as well as a contrasting of linear and volumetric treatments of two-dimensional space.

ART 111 DRAWING II *Two credit hours*

Prerequisite: Art 110.

A more detailed investigation of acquired knowledge from Drawing I, as well as a creative application of this knowledge to contemporary standards.

ART 112 FUNDAMENTALS IN ART AND DESIGN *Two credit hours*

A lecture/projects course designed for freshmen and non-art majors which covers the basic "ingredients" of art. Students will gain an understanding of basic elements of art by studying example artworks. At-home studio projects will acquaint the student with simple materials while working with design concepts and visual problem solving.

ART 212 DRAWING III *Two credit hours*

Prerequisite: Art 111.

A study of the human figure and its anatomy; a variety of media in addition to such concepts as gesture, proportion, foreshortening and expression will be emphasized.

ART 115 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.

ART 116 THREE DIMENSIONAL DESIGN *Two credit hours*

Students participate in creative problem-solving exercises that explore the concepts of three dimensional design.

- ART 117 COLOR THEORY** *Two credit hours*
- A detailed analysis of the physical and visual aspects of color.
- ART 213 INTRODUCTION TO PAINTING** *Two credit hours*
- An introduction to painting techniques for the beginning student. Students are exposed to various approaches to painting so that they might apply these toward self-expression.
- ART 214 INTERMEDIATE PAINTING** *Two credit hours*
Prerequisite: Art 213
- Contemporary standards of painting are applied toward the student's production. Advanced techniques of painting are investigated.
- ART 315 ADVANCED PAINTING** *Two credit hours*
Prerequisite: Art 214
- An intensive exploration of a painting medium of the student's choice in an effort to create a personal style. May be repeated for credit.
- ART 216 INTRODUCTION TO CERAMICS** *Two credit hours*
- An introduction to the potter's wheel and the basic processes of handforming, decorating and glazing pottery.
- ART 217 INTERMEDIATE CERAMICS** *Two credit hours*
Prerequisite: Art 216
- An intensive study of utilitarian and non-utilitarian forms created with clay.
- ART 318 ADVANCED CERAMICS** *Two credit hours*
Prerequisite: 217
- The exploration and development of a student's personal style in ceramics. 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 216, 217, 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 222 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 323 ADVANCED PHOTOGRAPHY***Two credit hours****Prerequisite: Art 222*

A study of advanced darkroom procedures with emphasis on color transparencies and black and white experimental techniques. Topics in advanced photography may include non-silver photography, the digital darkroom, the pinhole camera, and the instant photographer. May be repeated for credit.

ART 225 INTRODUCTION TO COMPUTER IMAGING***Two credit hours***

An introduction to using the computer for creative image-making and visual problem solving. Students will learn to operate the computer, image scanner and color printer while studying the raster based programs: Adobe Photoshop and Fractal Design Painter. These programs have applications in 16 million color digital painting, drawing, two and three dimensional design, animation and photography. Using the Internet as a source for images will also be explored.

ART 326 ADVANCED COMPUTER IMAGING***Two credit hours****Prerequisite: Art 225*

Advanced digital imaging techniques will be explored. Special topics may also include an introduction to three dimensional imaging, modeling, ray tracing, and animation. Emphasis will be on technical, visual problem solving and self-expression through this medium. May be repeated for credit.

ART 263 SEMINAR***One to three credit hours***

Areas of specialized interest are offered.

ART 246 INTRODUCTION TO SCULPTURE***Two credit hours***

Students explore creative processes aimed at uncovering the structural and plastic potential of a variety of media.

ART 347 ADVANCED SCULPTURE***Two credit hours****Prerequisite: Art 246*

An intensive study of the sculpture process in a medium of the students' choice. May be repeated for credit.

ART 248 INTRODUCTION TO PRINTMAKING***Two credit hours***

An introductory course covering various printmaking processes; relief (linocut), intaglio (etching), and planographic (lithography) printmaking. Emphasis will be on technique, visual problem solving and personal image making.

ART 349 ADVANCED PRINTMAKING***Two credit hours****Prerequisite: Art 248*

An intensive personal exploration of any print medium of the student's 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 Education

ART 328 MATERIALS AND TECHNIQUES

Two credit hours

Required of all art education majors. Not open to freshmen.

A study of the methods and materials relative to the teaching of art in the public school. The student is concerned not only with the materials used and sources from which they can be obtained, but also with an active engagement in areas such as lettering, poster making, and other projects—both two and three dimensional in nature.

ASTRONOMY

Courses in astronomy are offered by the Department of Physics and Astronomy.

Course Descriptions

AST 050 INDEPENDENT STUDY

One to three credit hours

See Independent Study Program, Section II.

AST 070 FIELD EXPERIENCE/INTERNSHIP

Credit hours to be arranged

See Field Experience/Internship Program, Section II.

AST 100 OBSERVATIONAL ASTRONOMY

Four credit hours

A lecture-laboratory course

The universe as revealed through astronomical observations. Stars, planets and other astronomical objects are observed with the naked eye, small telescopes, and the 13-inch telescope of the Burrell Memorial Observatory. Laboratory exercises emphasize the basis of observational facts underlying modern astronomical knowledge.

AST 111 ASTRONOMY OF THE STARS

Three credit hours

A lecture course dealing with the birth and death of stars, the structure and evolution of galaxies, and cosmology. Also covered will be exotic objects such as pulsars, white dwarfs, black holes, radio galaxies and quasars.

AST 121 ASTRONOMY OF THE SOLAR SYSTEM

Three credit hours

A lecture course studying the various objects in the solar system with emphasis on recent discoveries. The course will also discuss the historical evolution of astronomy.

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 491, 492 DEPARTMENTAL THESIS/PROJECT

Credit hours to be arranged

See Departmental Thesis/Project, Section II.

BIOLOGICAL SCIENCES

Biology is the study of the scientific principles governing living organisms. The objective of the Department of Biological Sciences is to provide a strong foundation in these fundamental principles of life. The biology major emphasizes research, and offers preparation for further postgraduate study in the many fields of biological science. Examples of these fields are scientific research, college teaching, medicine, dentistry, optometry, veterinary medicine, high school biology teaching, biotechnology, nursing, medical technology, physical or occupational therapy, and forestry.

Biological Sciences Major

Computer Code: BIOL

Minimum credits required: 36 (plus prerequisites as indicated).

Required courses

BIO 112	Principles of Biology	3 credits
BIO 113	General Botany	3 credits (Prerequisite required)
BIO 114	General Zoology	3 credits (Prerequisite required)
BIO 311	Genetics	4 credits (Prerequisite required)
BIO 312	Microbiology	4 credits (Prerequisite required)
BIO 163	Freshman Biology Seminar	1 credit (Prerequisite required)
BIO 263	Sophomore Biology Seminar	1 credit (Prerequisite required)
BIO 363	Junior Biology Seminar	0 credits (Prerequisite required)
BIO 463	Senior Biology Seminar	1 credit (Prerequisite required)

At least 4 credits from the following Environmental Biology courses:

BIO 313	Ecology	4 credit (Prerequisite required)
BIO 334	Biology of Invertebrates	4 credits (Prerequisite required)
BIO 365	Ecology Field Studies	1-2 credits (Prerequisite required)
BIO 409	Vertebrate Natural History	4 credits (Prerequisite required)
BIO 410	Evolution	4 credits (Prerequisite required)

At least 4 credits from the following Structure and Function Biology courses:

BIO 330	Mammalian Gross Anatomy	2 credits (Prerequisite required)
BIO 331	Vertebrate Embryology	2 credits (Prerequisite required)
BIO 332	Histology	2 credits (Prerequisite required)
BIO 333	Human Physiology	4 credits (Prerequisite required)

At least 4 credits from the following Cellular and Molecular Biology courses:

BIO 336	Molecular Biology	4 credits (Prerequisite required)
BIO 341	Immunology	4 credits (Prerequisite required)
BIO 401	Developmental Biology	2 credits (Prerequisite required)

An additional 4 biology credits are required bringing the minimum to 36 credits of biology courses. In addition, a minimum of 9 credits in chemistry courses, not including CHM 200, are required. Courses in organic chemistry, physics, mathematics, statistics, and computer science are recommended.

BIOLOGICAL SCIENCES MAJOR--cont'd next page

The general biology sequence (BIO 112, BIO 113, BIO 114) and Freshman Biology Seminar (BIO 163) should be taken during the freshman year. The Sophomore Biology Seminar (BIO 263) and the Senior Biology Seminar should be taken during the appropriate years. The two semesters of Junior Biology Seminar (BIO 363) may be taken any time after the freshman year. Only the Senior Biology Seminar is letter graded; the others are graded S/U.

It is especially important that students who are considering specialized careers plan early with their academic advisor. Students interested in environmental biology, for example, should arrange with their advisor to take some geology courses. The department of biology urges all biology majors to take seriously the opportunity to enrich their liberal arts background and to develop their ability to use the English language effectively.

Biological Sciences Minor

A minor in biology consists of a minimum of 17 semester credits of biology (BIO) courses including BIO 112 and either BIO 113 or BIO 114. We encourage students to consult a biology faculty member to help them develop a minor that best suits their needs. For information on an Environmental Science Minor see Section VIII.

Course Descriptions

BIO 050 INDEPENDENT STUDY

One to four credit hours

See Independent Study Program, Section II.

BIO 070 FIELD EXPERIENCE/INTERNSHIP

One to twelve credit hours

Up to twelve hours may count toward graduation, but only four hours may count toward the biology major.

See Field Experience/Internship, Section II.

BIO 105 PLANTS AND THEIR CULTURE

Three credit hours

For non-biology majors only; does not count toward biology major credit. Not open to students who have had BIO 113.

A lecture-laboratory study of the structure, function and culture of flowering plants. Students will work with plants in the greenhouse and in the laboratory, relating the science of botany to the art of growing plants.

BIO 110 BIOLOGY FOR THE CITIZEN

Three credit hours

For students who have had no previous college biology acceptable for college credit and who do not intend to take further work in biology except BIO 105, BIO 111, or BIO 206.

A lecture-laboratory inquiry into selected biological topics of interest to the intelligent citizen.

BIO 111 FIELD BIOLOGY

Three credit hours

For students who have had no previous college biology acceptable for college credit and who do not intend to take further work in biology except BIO 110, BIO 206, or BIO 105.

An ecological approach to the study of life with emphasis on the outdoor world and people's place in it. A field and laboratory course emphasizing the natural history of selected aquatic and terrestrial ecosystems.

BIO 112 PRINCIPLES OF BIOLOGY

Three credit hours

An introductory lecture-laboratory study of the unifying principles of biology with emphasis at the cellular and molecular levels.

BIO 113 GENERAL BOTANY

Three credit hours

Prerequisite: BIO 112

An introductory lecture-laboratory study of the structure and function of higher plants, followed by a study of the major divisions of plants.

BIO 114 GENERAL ZOOLOGY

Three credit hours

Prerequisite: BIO 112

An introductory lecture-laboratory study of the structural and functional adaptations of the major animal phyla.

BIO 163 FRESHMAN BIOLOGY SEMINAR

One credit hour

All freshman biology majors must take this course during their first year of study at Baldwin-Wallace College. Transfer biology majors must take this course in their first or second semester as a biology major.

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 200 SCIENCE

Three 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.

BIO 203 HUMAN ANATOMY AND PHYSIOLOGY I

Four credit hours

A lecture-laboratory course covering cells, tissues and the skeletal, muscular, nervous, sensory, cardiovascular and respiratory systems of the human body.

BIO 204 HUMAN ANATOMY AND PHYSIOLOGY II

Three credit hours

Prerequisite: BIO 203

A continuation of BIO 203, covering the integumentary, endocrine, immune, digestive, urinary, reproductive and lymphatic systems of the human body.

BIO 206 YOUR BODY: PAST, PRESENT, AND FUTURE *Three credit hours*

For non-biology majors only; does not count toward biology major credit.

A non-laboratory scientific study of the human body covering topics that are interesting and useful for maintaining good health.

BIO/PSY 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 hour*

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 do scientific literature researches, learn about scientific writing, and develop a topic for a Biology seminar presentation. Graded S/U.

BIO/PSY 303 PHYSIOLOGICAL PSYCHOLOGY *Four credit hours*

*Prerequisite: PSY 100 or PSY 110 or BIO 112 or BIO 203 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 311 GENETICS *Four credit hours*

Prerequisite: BIO 113 or BIO 114

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

BIO 312 MICROBIOLOGY *Four credit hours*

Prerequisite: BIO 113 or 114

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

BIO 313 ECOLOGY *Four credit hours*

Prerequisite: BIO 113 and BIO 114

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

BIO 330 MAMMALIAN GROSS ANATOMY***Two credit hours****Prerequisite: BIO 114*

A lecture-laboratory study of the general and specific concepts of mammalian morphology. Rat and cat cadavers will be dissected by students. Skeletons, models and a prosected human cadaver will supplement the dissections.

BIO 331 VERTEBRATE EMBRYOLOGY***Two credit hours****Prerequisite: BIO 114*

A lecture-laboratory course describing vertebrate developmental anatomy and classical experimental embryology. Frog, chick, and pig embryos are examined in the laboratory.

BIO 332 HISTOLOGY***Two credit hours****Prerequisite: BIO 114*

A lecture-laboratory study of the microscopic structure of the human body at the cell, tissue and organ levels. Detailed consideration is given to the manner in which different types of cells are organized into the basic tissues. Finally, the manner in which the different tissues are organized in the formation of body organs and the histological characteristics of the body systems are analyzed.

BIO 333 HUMAN PHYSIOLOGY***Four credit hours****Prerequisite: BIO 114*

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 BIOLOGY OF INVERTEBRATES***Four credit hours****Prerequisite: BIO 114*

A laboratory-field study of the morphology, physiology, ecology, and behavior of invertebrate animals. Special emphasis is given to insects and marine organisms.

BIO 336 MOLECULAR BIOLOGY***Four credit hours****Prerequisite: BIO 114 and BIO 311. BIO 312 is recommended*

A lecture-laboratory study of some of the major techniques and applications in molecular biology. This course has a heavy laboratory emphasis.

BIO 341 IMMUNOLOGY***Four credit hours****Prerequisite: BIO 114*

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

BIO 363 JUNIOR BIOLOGY SEMINAR***Zero credit hours****Prerequisite: BIO 263*

This course consists of attending the BIO 463 seminar and evaluating the presentations. Graded S/U.

BIO 365 ECOLOGY FIELD STUDIES***Two credit hours****Prerequisite: Consent of the instructor*

This course consists of limited but intensive systematic studies of biotic and abiotic components of a particular ecosystem: coral reef, pond, desert or other. The course will be given before or after a semester, sometimes with preparation for the course during the previous semester. Graded on an S/U basis.

BIO 401 DEVELOPMENTAL BIOLOGY***Two credit hours****Prerequisite: BIO 311 and BIO 331*

A lecture course in the genetic, molecular and cellular mechanisms of animal development. After an overview of development, the control of gene expression in development and current research strategies in development will be covered.

BIO 405 ADVANCED TOPICS IN BIOLOGY***One to four credit hours****Prerequisite: Junior or Senior standing. 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 409 VERTEBRATE NATURAL HISTORY***Four credit hours****Prerequisite: BIO 113 or 114*

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

BIO 410 EVOLUTION***Four credit hours****Prerequisite: BIO 113 or 114*

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

BIO 463 SENIOR BIOLOGY SEMINAR***One credit hour****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 class on a previously approved biological topic that they have researched. They will write a research paper on the same topic.

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

See Departmental Thesis/Project, Section II.

BUSINESS ADMINISTRATION

The Division of Business Administration trains students to take their places in the modern organizations of society. The Division's undergraduate and graduate programs are designed to educate students to assume a variety of responsibilities within a business firm, a non-profit organization or a public institution or agency. 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 environment. Therefore, 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 which will prepare them for a lifetime of learning.

Business Administration Major

Computer Code - BUSA

Minimum credits required: 45-46 (plus prerequisites as indicated)

Required Courses

BUS 211	Principles of Accounting I	4 credits (prerequisite required)
BUS 212	Principles of Accounting II	3 credits (prerequisite required)
BUS 305	Introduction to Management	4 credits
BUS 326	Legal Environment of Organizations	3 credits
BUS 330	Introduction to Marketing	3 credits
BUS 342	Corporate and Organizational Finance	3 credits (prerequisite required)
BUS 365	Management Science	3 credits (prerequisite required)
BUS 451	Management Strategy & Policy	4 credits (prerequisite required)

Required Courses in other departments

CSC 121	Introduction to Computer Information Systems	3 credits
ECN 101	Principles of Economics I (Micro)	4 credits
ECN 102	Principles of Economics II (Macro)	4 credits (prerequisite required)
ECN 279	Elements of Statistics	4 credits (prerequisite required)
MTH 136	Applied College Mathematics OR	3 credits
MTH 140	Precalculus Mathematics OR	4 credits
MTH 141	Calculus I	4 credits (prerequisite required)

Students majoring in business administration must also meet these additional requirements:

1. At least 6 courses at the 300-400 level must be completed in the Division of Business Administration at Baldwin-Wallace College.
2. Not more than 60 semester hours of BUS prefix course work can be applied to the 124 hours required for the Bachelor of Arts degree. This includes any transferred BUS credit hours, field experience and independent study sponsored by Business Administration.
3. Students planning to attend graduate school are encouraged to take calculus.
4. A maximum of 4 semester hours of a D grade in a required BUS prefix course may be counted toward the major.

Functional Areas of Specialization

In working toward the objective of preparing students for responsible entrepreneurial or professional management roles, functionally specialized courses are offered in the basic principles and advanced applications of the organization, management and control of organizations. The functional areas include accounting, finance, marketing and management.

After completing the Major in Business Administration, a student may complete elective courses for an emphasis in a specific area of Business Administration. The student may complete a maximum of two emphases, and more than half of the coursework must be taken at Baldwin-Wallace College. A maximum of one grade below C can be included in any emphasis.

Accounting

The accounting curriculum meets the Ohio requirements for the accounting profession and enables graduates to take the CPA examination. In addition, the Division sponsors an annual Income Tax Clinic. The Tax Clinic makes it possible for students to have actual client experience on a face-to-face basis. During their junior or senior year, selected students may participate in the Accounting Internship Program. This program is jointly sponsored by CPA firms, industry and the College.

To complete an accounting emphasis, the student needs three courses from the following list:

BUS 321	Intermediate Accounting I	4 credits
BUS 322	Intermediate Accounting II	3 credits
One of:		
BUS 316	Cost Accounting & Analysis	3 credits
BUS 407	Federal Income Taxation	4 credits
BUS 408	Federal Taxation: Corporations, Partnerships, Estates and Trusts	3 credits
BUS 417	Principles of Auditing	4 credits
BUS 418	Governmental and Nonprofit Accounting	3 credits
BUS 420	Accounting Systems	3 credits
BUS 421	Advanced Accounting	4 credits

CPA Candidates in the Year 2000 and Later

The Baldwin-Wallace College accounting program provides a solid preparation for students interested in becoming a CPA in the State of Ohio in the year 2000 and later. Students who wish to qualify to take the CPA exam in Ohio after January 1, 2000, will need to have completed 150 semester hours of college level education to sit for the uniform CPA exam. Specific course requirements include twenty-four semester hours in accounting, exclusive of accounting principles, and twenty-four hours of business oriented courses with coverage in each of the following subject areas:

1. Business Ethics
2. Business Organization
3. Communication Skills
4. Economics
5. Group and Individual Behavior
6. Finance
7. Legal and Social Environment of Business

Students may choose from the following schedule of accounting courses to complete the twenty-four hour accounting requirement:

BUS 321 & 322	Intermediate Accounting	7 credits
BUS 316	Cost Accounting	3 credits
BUS 407	Individual Taxation	4 credits
BUS 408	Corporate Taxation	3 credits
BUS 417	Auditing	4 credits
BUS 418	Nonprofit Accounting	3 credits
BUS 420	Accounting Systems	3 credits
BUS 421	Advanced Accounting	4 credits

Total 31 credits

Finance

The finance curriculum gives the student the opportunity to become well versed in finance terminology and practices in business firms and financial institutions. Advanced students have the opportunity to participate in cases related to financial management, international finance, buying and selling of stocks and bonds, and other investment activities.

To complete an emphasis the student needs three courses from the following list:

BUS 416	Financial Management	3 credits
BUS 444	International Financial Management	4 credits
BUS 445	Principles of Investments	4 credits
ECN 339	Money & Banking	3 credits

Marketing

The marketing curriculum is aligned with contemporary marketing trends, industrial needs and marketing management skills practiced today. The purpose of a course in this area is to educate the student in the terminology and concepts of the highly sophisticated areas of marketing management. The Division strives to provide an opportunity for students to participate in actual marketing functions with local companies.

To complete an emphasis the student needs three courses from the following list:

BUS 333	Advertising Management	4 credits
BUS 334	Salesmanship & Sales Management	3 credits
BUS 335	Retail Management	3 credits
BUS 338	Consumer Behavior	3 credits
BUS 432	Marketing Research & Information Systems	4 credits
BUS 436	International Marketing	4 credits
BUS 437	Marketing Management	4 credits

Management

The management curriculum develops student awareness of management functions, theory and skills within local and global environments. Students learn to use both quantitative and behavioral methods to achieve organizational goals through effective utilization of human and material resources. Individual courses engage students in problem solving through case analysis, team work, media, simulation and experiential methods to foster an appreciation of different management approaches in a variety of systems.

To complete an emphasis the student needs three courses from the following list:

BUS 329	Business Ethics	3 credits
BUS 409	Behavioral Theories of Management	4 credits
BUS 410	Human Resources	3 credits

70 Business Administration

BUS 411 Compensation Management
ECN 349 Labor in the Economy

3 credits
3 credits

Business Education

Students who wish to attain certification to teach in secondary schools should contact the Division of Education for specific requirements.

Minor in Business Administration

The minor in business administration consists of a sequence of four required courses designed to provide a general knowledge of business practices and terminology. Three or eight semester hours of economics and at least six semester hours of elective courses in business administration are also required. The required business administration courses are BUS 211-212, Principles of Accounting; BUS 305, Management and BUS 330, Marketing. Also required are ECN 100 or ECN 101-102. The six to eight semester elective hours at the 300-400 level in business administration allow the student freedom to do limited specialization in an area of interest and require a total of 23-30 hours.

Management and Organization Minor

The minor in management and organization is designed for students majoring in Sport/Dance/Arts management or minoring in Family and Consumer Sciences but is open to any non-business administration major. This minor is not recommended for students who contemplate future graduate degrees in business administration. Students in the management and organization minor must complete the following course work: ECN 100 or 101-102, MTH 136, BUS 211, BUS 305, 326, 330, 358 and 409 for a total of 27-32 hours.

Transfer Credits in Business Administration

Baldwin-Wallace College accepts transfer credit earned in technical business programs toward the Bachelor of Arts degree with a major in business administration. The 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

LORAIN COUNTY COMMUNITY COLLEGE

Accounting
Banking and Finance

Course Descriptions

BUS 050 INDEPENDENT STUDY

One to four credit hours

See Independent Study Program, Section II.

BUS 070 FIELD EXPERIENCE/INTERNSHIP

Credit hours to be arranged

See Field Experience/Internship Program, Section II.

BUS 208 INTRODUCTION TO BUSINESS

Three credit hours

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

Four credit hours

Prerequisite: MTH 136.

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

Prerequisite: MTH 136, BUS 211.

A continuation of the introductory course in accounting with emphasis on the managerial applications of accounting information.

BUS 243 PERSONAL FINANCE

Three credit hours

A study of the principles of personal finance with emphasis on personal taxes, cash and savings instruments, consumer loans, stock and bond investments, real estate, insurance, and retirement planning.

BUS 263 SEMINAR

One to Three credit hours

Open to all students who have completed listed prerequisites. A study of a specified current business topic. May be taken more than once for credit provided the topic or subject area is different.

BUS 305 INTRODUCTION TO MANAGEMENT

Four credit hours

Prerequisite: Junior standing.

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 316 COST ACCOUNTING & ANALYSIS***Three credit hours****Prerequisite: BUS 212, ECN 279.*

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 321 INTERMEDIATE ACCOUNTING I***Four credit hours****Prerequisite: BUS 212.*

A course reviewing the accounting cycle and the theory and practice of financial statement preparation in accordance with generally accepted accounting principles. The course will also study in depth the 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: Junior standing.*

A survey of substantive private law, business associations, labor-management agreements, government regulations, and international law as they affect American business policies, practices and ethics.

BUS 328 BUSINESS LAW***Three credit hours****Prerequisite: BUS 326.*

A study of the law applicable to commercial transactions, property, debtor and creditor relationships as well as wills and trusts. Recommended for accounting emphasis.

BUS 329 BUSINESS ETHICS***Three credit hours***

An examination of moral problems facing organization managers with a view to learning how to integrate ethical thinking with strategic thinking in shaping actions. Students focus on 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

Four credit hours

Prerequisite: BUS 330.

A study of advertising as an integral part of our economic and social systems, examining advertising as a marketing tool which 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. In addition through case studies using class clients, 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.

The final activity in marketing concerns getting the product into the hands of the consumer. This course involves both 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.

A study of retailing and retail management. This course will include 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 all explored and examined for use in marketing management decision-making.

BUS 342 CORPORATE & ORGANIZATIONAL FINANCE

Three credit hours

Prerequisite: CSC 121, MTH 136, ECN 100 OR 101, BUS 212.

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 358 BUSINESS COMMUNICATIONS

Three credit hours

A course 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 study of report writing, including collection of data, organization of material, writing style and various uses of reports in business and industry.

BUS 365 MANAGEMENT SCIENCE***Three credit hours****Prerequisite: MTH 136, CSC 121, ECN 279.*

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

BUS 407 FEDERAL INCOME TAXATION***Four credit hours****Prerequisite: BUS 211.*

A study of the federal income tax law, U.S. 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 408 FEDERAL TAXATION: CORPORATIONS,
PARTNERSHIPS, ESTATE AND TRUSTS*****Three credit hours****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 study.

BUS 409 BEHAVIORAL THEORIES OF MANAGEMENT***Four credit hours****Prerequisite: BUS 305.*

An experiential laboratory course which explores personal, interpersonal, group, intergroup, and organizational change as it relates to effective leadership in business and other organizations.

BUS 410 HUMAN RESOURCES***Three credit hours****Prerequisite: BUS 305.*

This course broadly covers procurement, development and utilization of an organization's human resources. Experiential skill-building exercises in manpower planning, selection and placement, interviewing, performance appraisal, etc., are complemented with an extensive bibliography of selected readings.

BUS 411 COMPENSATION MANAGEMENT***Three credit hours****Prerequisite: BUS 305.*

A study of the principles and procedures for the determination of compensation levels, wage structures, methods of payment, and techniques of job evaluation and control.

BUS 416 FINANCIAL MANAGEMENT***Three credit hours****Prerequisite: BUS 342, ECN 279.*

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 417 PRINCIPLES OF AUDITING**Four credit hours***Prerequisite: BUS 316 and 322.*

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; a computerized auditing case will be the primary focus.

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.*

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**Four credit hours***Prerequisite: BUS 322.*

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 noncontrolling interests, intercompany sales, intercompany debt, ownership patterns and income taxes. In addition, the related topics of business segment reporting, branch accounting and foreign currency translation will be examined.

BUS 432 MARKETING RESEARCH & INFORMATION SYSTEMS **Four credit hours***Prerequisite: BUS 330, ECN 279.*

The student will learn how to develop a marketing research project. Both domestic and international perspectives will be presented. An understanding of domestic and international marketing information needs and procedures will be offered. 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 436 INTERNATIONAL MARKETING**Four credit hours***Prerequisite: BUS 330.*

A study of the peculiarities of marketing products and services overseas: 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; integration of all variables in a comprehensive marketing plan.

BUS 437 MARKETING MANAGEMENT

Four credit hours

Prerequisite: Two upper-level marketing courses.

This capstone marketing course offers an integrative approach to understanding and solving contemporary marketing management problems. The course focuses on optimizing the firm's effectiveness as it changes to meet the challenges of the domestic and international environments. The course helps students learn how to establish strategic direction in pursuit of ever-changing marketing opportunities.

BUS 444 INTERNATIONAL FINANCIAL MANAGEMENT

Four credit hours

Prerequisite: BUS 342.

A study of the foreign exchange markets, the management of foreign exchange exposure, multinational capital budgeting, international portfolio management, transfer pricing, multinational taxation, international securities, and interest rate risk management.

BUS 445 PRINCIPLES OF INVESTMENTS

Four credit hours

Prerequisite: BUS 342, ECN 279.

This course emphasizes techniques of security analysis, evaluation of portfolios and investment strategies including the use of derivatives.

BUS 451 MANAGEMENT STRATEGY & POLICY

Four credit hours

Prerequisite: Completion of all other requirements for the business administration major.

This is the capstone course of the business major. Students learn to research and formulate top level strategic goals which enable the firm to adapt and grow with its changing environment. Students also learn how to implement strategic goals by integrating the functions learned in lower level courses. Real world case examples are used to apply the learnings.

BUS 463 SEMINAR

One to Three credit hours

Open to juniors and seniors who have completed listed prerequisites. A study of an advanced, current business topic. May be taken more than once for credit provided the topic or subject area is different.

BUS 470 ACCOUNTING INTERNSHIP PROGRAM

Credit hours to be arranged

Open to junior or senior accounting students. Permission of instructor required. Practical experience in public accounting involving employment in local accounting firms in a pre-arranged program, coordinated with the accounting faculty at Baldwin-Wallace College. See also the Field Experience/Internship, Section II.

BUS 491, 492 DEPARTMENTAL THESIS/PROJECT

Credit hours to be arranged

See Departmental Thesis/Project in Section II.

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 or engineering.

Chemistry Major

Computer Code: CHMY

Minimum credits required: 45.5-46 (All listed chemistry classes have a prerequisite).

Required courses

CHM 111, 112, 111L, 112L	General Chemistry and Labs	9 credits
CHM 221, CHM 221L	Quantitative Analysis	4 credits
CHM 251, 252, 251L, 252L	Organic Chemistry	9 credits
CHM 463 (4 semesters)	Chemistry Seminar	2 credits
PHY 131, 132	General Physics	10 credits
MTH 141, 142	Calculus	8 credits

A minimum of two of the following courses is required for graduation as a chemistry major (labs do not count as individual courses):

CHM 311	Biochemistry	3 credits
CHM 311L	Biochemistry Lab	1 credit
CHM 321	Instrumental Analysis	3 credits
CHM 321L	Instrumental Lab	1 credit
CHM 331, 332 **	Physical Chemistry	3 credits (each)
CHM 331L, 332L	Physical Chemistry Lab	.5 credit (each)
CHM 341	Inorganic Chemistry	3 credits
CHM 341L	Inorganic Chemistry Lab	1 credit
CHM 351	Organic Spectroscopy	2 credits

** At least one semester of CHM 331, Physical Chemistry is strongly recommended.

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: 16-17

CHM 111, 112	General Chemistry and Lab	9 credits
CHM 200	Science	3 credits
CHM 221, 221 L or	Quantitative Analysis and Lab or	4 credits
CHM 251, 251 L	Organic Chemistry I and Lab	4.5 credits

Consultation with the Chemistry Department is encouraged.

Students interested in certification to teach in the secondary schools must take the required courses in education. They also should take enough additional credits in another area (physics or math) to obtain certification in a second field. See Education, page 101.

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 had high school chemistry. Any qualified student should take this course sequence because it is considered a prerequisite for every other course in the department.

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. 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. CHM 112L must be taken concurrently with CHM 112 to receive credit for the coursework.

Continuation of CHM 111.

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.

CHM 200 SCIENCE

Three 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. Includes: Environmental Chemistry, U.S. Chemical Industry, Science and Society, Breakthroughs in Science, Women in Science, and Energy.

CHM 221 QUANTITATIVE ANALYSIS

Three credit hours

Prerequisite : CHM 112 or permission of the instructor.

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

These must be taken concurrently with CHM 221. Lab: Two 3 hour labs per week.

CHM 251, 252 ORGANIC CHEMISTRY I, II**Four credit hours***Prerequisite: CHM 112 or permission of the instructor. Required of pre-medical students.*

General principles and theories for the synthesis of aliphatic, aromatic, and heterocyclic compounds. Special emphasis on functional groups and mechanisms of organic reactions. Additionally, such topics as carbohydrates, orbital symmetry, etc., will be covered. 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, CHM 252L ORGANIC CHEMISTRY
LABORATORY****One half credit hour each**

Must be taken concurrently with CHM 251 and CHM 252 respectively. Lab: One 3-hour lab per week.

CHM 311 BIOCHEMISTRY**Three credit hours***Prerequisite: Two years of college chemistry, including CHM 252.*

An introduction to the chemistry of biological systems including proteins, enzymes, nucleic acids, lipids and carbohydrates. Structure-function relationships of these biomolecules will be discussed; an overview of metabolic processes will be presented.

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***Prerequisite: Two years of college chemistry, including CHM 221 .*

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***Prerequisite: Two years of college chemistry, calculus, CHM 221 or permission of the instructor.*

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-half credit hour each**

CHM 331L and CHM 332L must be taken concurrently with CHM 331 and CHM 332 respectively to receive credit. Lab: One 3 hour lab per week

- CHM 341 INORGANIC CHEMISTRY** *Three credit hours*
Prerequisite: Two years of college chemistry.
- A discussion of ionically bonded compounds, covalently bonded molecules and metal complexes. Some specific topics that are examined include crystal field theory, inorganic mechanisms, acid-base theories and trends in redox reactions.
- CHM 341L INORGANIC CHEMISTRY LABORATORY** *One-half credit hour*
- 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*
Prerequisite: CHM 252
- A laboratory course in UV, IR, and NMR spectroscopy. Interpretation of mass spectroscopy is also included.
- CHM 403 LABORATORY PROJECTS** *One credit hour*
Prerequisite: Two years of college chemistry.
- 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 421 ADVANCED ANALYTICAL CHEMISTRY** *One credit hour*
Prerequisite: CHM 321 or permission of the instructor.
- Advanced topics in analytical chemistry.
- CHM 441 ADVANCED INORGANIC CHEMISTRY** *Two credit hours*
Prerequisite: CHM 341 or permission of the instructor.
- Advanced topics in inorganic chemistry, including organometallics.
- CHM 451 ADVANCED ORGANIC CHEMISTRY** *One credit hour*
Prerequisite: CHM 253 or permission of the instructor.
- Advanced topics in organic chemistry.
- CHM 463 CHEMISTRY SEMINAR** *One-half credit hour each*
Prerequisite: Junior standing and four courses in chemistry.
- Reports and discussions of recent work in inorganic, organic, analytical and physical chemistry. 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

COL 070 FIELD EXPERIENCE

Credits to be arranged

Field Experience proposals appropriate to a COL-prefix must be approved by the chairperson of the College Course Committee. For other details, see Field Experience Program, Section II.

COL 101 FRESHMAN EXPERIENCE

Two credit hours

This course is designed to assist freshmen in making a successful transition to college life. Working closely with the instructor, students will establish appropriate personal goals, enhance their academic skills and gain knowledge of campus resources.

COL 111 INTRODUCTION TO LIBRARY RESEARCH

One credit hour

An introduction to library research skills and strategies using Ritter Library as the research venue. Students will be introduced not only to traditional print resources, both serial and monographic, but also to the databases and full-text resources found on CD-ROMs and at various on-line sites, including the World Wide Web. Each student will select a research topic which will be the basis for an in-depth analysis of available resources on that topic. By the conclusion of the course, the student should be a proficient user of both the traditional print library and the modern digital library. The course is graded S/U.

COL 115 CAREER PLANNING

One credit hour

This course examines the career development process for students through three phases: self-assessment, career exploration and placement. Students explore these topics through individual and group activities focused on skills, personality, values, career research and exploration, résumé and cover letter writing, interviewing, and networking. The course is graded S/U.

COL 121 BEGINNING ALGEBRA

Two credit hours

This is the first of a two-course sequence designed to refresh students' familiarity with basic algebraic topics (similar to a first year high school algebra course), including operations and relationships in real number systems; solving and graphing linear as well as quadratic equations and inequalities; and factoring and operating on polynomials, radical expressions, and complex numbers. It is expected that students taking this course have been advised to do so as a result of placement test scores. Credits are not applicable toward the minimum credit requirement for graduation. The course is graded S/U.

COL 122 INTERMEDIATE ALGEBRA

Two credit hours

This is the second of a two course sequence designed to refresh students' familiarity with intermediate algebraic topics (similar to a second year high school algebra course),

including solving systems of equations, conics, relations and functions, rational expressions and logarithmic functions. It is expected that the students taking this course have been advised to do so as a result of placement test scores. Credits are not applicable toward the minimum credit requirement for graduation. The course is graded S/U.

COL 123 TOPICS IN LEARNING SKILLS AND STRATEGIES

One credit hour

This course focuses on helping students to learn and to improve the skills and strategies necessary for successful academic performance in college, and includes course sections designed for both general and special college populations. The topics offered may include the ASSIST program (for students in academic difficulty), learning strategies for freshmen, learning strategies for continuing education students and individualized learning strategies. Other related topics may be offered as approved by the College Course Committee and the Curriculum Committee. A student may earn no more than a total of four semester credits in any combination of topics offered in COL 123 toward the minimum number of credits needed for graduation. All COL 123 course sections are graded S/U.

COL 163 PRIOR LEARNING ASSESSMENT

Two credit hours

Baldwin-Wallace College is committed to the concept of recognizing the legitimacy of college-level learning which has taken place outside the traditional classroom setting and is prepared to grant credit for this kind of learning where it relates to the college curriculum. This course is designed to assist individuals in exploring their past learning 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 a faculty assessment committee. 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 and selected Course Assistant positions. The course is graded S/U.

COMMUNICATIONS

Interdisciplinary Communications Major
for Continuing Education Students

Computer Code: SCCE

Minimum credits required: 44 (plus prerequisites as indicated)

Required courses:

Speech Communication

SPC 202	Interpersonal Communication	3 credits (prerequisite required)
SPC 207	Group Communications & Leadership	3 credits (prerequisite required)
SPC 212	Advanced Oral Communications	3 credits (prerequisite required)
SPC 306	Business & Professional Speaking	3 credits (prerequisite required)

Choose one:

SPC 107	Media Communication	3 credits
SPC 410	Persuasion	3 credits (prerequisite required)
SPC 413	Organizational Communication	3 credits (prerequisite required)

Total 15 credits

English

ENG 131	Workshop in Exposition	3 credits
ENG 132	Workshop in Journalism OR	3 credits
ENG 133	Workshop in Creative Writing	3 credits
ENG 300 level	Advanced Studies in Literature	4 credits (prerequisite required)
ENG 305	Advanced Exposition	3 credits (prerequisite required)

Total 13 credits

Social Interpretation (choose two):

HUM 285	Intercultural Communication	3 credits
PSY 339	Social Psychology	4 credits (prerequisite required)
SOC 290	Gender Roles	3 credits (prerequisite required)
SOC 301	Class, Status & Power	3 credits (prerequisite required)

Total 6 or 7 credits

Advanced Emphasis

Three courses with advisor approval **Total 9 credits**

Hours must be in same department. The student will choose an emphasis for application of communication skills and theory. See *examples only* listed below. The approved emphasis must be on file with the advisor before it is begun.

- Business Administration (BUS 358 Business Communication plus two courses in management or two courses in marketing)
- Literature
- Political Science
- Psychology
- Religion
- Sociology

Comprehensive Analysis of Major

HUM 463	Senior Review	1 credit
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The following prerequisites are implied for appropriate departments: SPC 112, SOC 100, 106, PSY 110, ENG 126/127/128 series, or one of that series and one of ENG 241, 242, 250, 280.

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, operations research or computers in management. The **Computer Information Systems major** is designed to prepare graduates for positions in information processing as programmer analysts and systems designers. Many graduates secure positions in software, hardware, and/or network support.

Computer Science Major

Computer Code: CSC1

Minimum credits required: 34 of Computer Science courses and 18-19 in Mathematics (plus prerequisites as indicated).

Required Mathematics Courses: 18-19 credits (plus prerequisites as indicated)

MTH 161	Discrete Mathematics I	4 credits	(Prerequisite required)
MTH 262	Discrete Mathematics II	3 credits	(Prerequisite required)
MTH 141	Calculus I	4 credits	(Prerequisite required)
MTH 142	Calculus II	4 credits	(Prerequisite required)

and one course numbered above 199 except MTH 201

Required Computer Science : 34 credits (plus prerequisites as indicated)

CSC 210	Computer Science I	3 credits	(Prerequisite required)
CSC 215	Digital Topics	2 credits	(Prerequisite required)
CSC 260	Computer Science II	5 credits	(Prerequisite required)
CSC 320	Computer Architecture & Hardware	3 credits	(Prerequisite required)
CSC 390	Compiler Design	4 credits	(Prerequisite required)
CSC 400	Operating Systems	4 credits	(Prerequisite required)
CSC 470	Co-op Experience	3 credits	(Prerequisite required)
CSC electives	numbered above 199	10 credits	(Prerequisite required)

Computer Science majors are required to earn a passing score on an approved **comprehensive examination**. The two examinations approved for this purpose are the Major Field Achievement Test (Computer Science) published by the Educational Testing Service and the Computer Science Subject Test of the Graduate Record Examination.

Computer Science Minor

The minor includes a minimum of 23-24 credits (plus prerequisites as indicated):

Required Mathematics courses: 7-8 credits (plus prerequisites as indicated)

MTH 161	Discrete Mathematics I	4 credits	(Prerequisite required)
	and either		
MTH 141	Calculus I OR	4 credits	(Prerequisite required)
MTH 262	Discrete Mathematics II	3 credits	(Prerequisite required)

COMPUTER SCIENCE MINOR--cont'd next page

Required Computer Science Courses: 16 credits (plus prerequisites as indicated)

CSC 210	Computer Science I	3 credits (Prerequisite required)
CSC 215	Digital Topics	2 credits (Prerequisite required)
CSC 260	Computer Science II	5 credits (Prerequisite required)
CSC 320	Computer Architecture and Hardware	3 credits (Prerequisite required)
CSC electives	numbered above 199	3 credits (Prerequisite required)

Computer Information Systems Major

Computer Code: CINS

Minimum credits required: 34 in Computer Science, 11 in Mathematics, and 7 in Business Administration (plus prerequisites as indicated).**Required Mathematics courses: 11 credits (plus prerequisites as indicated)**

MTH 161	Discrete Mathematics I	4 credits (Prerequisite required)
MTH 141	Calculus I	4 credits (Prerequisite required)
MTH 135	Intro to Probability and Statistics	3 credits (Prerequisite required)

Required Business courses: 7 credits (plus prerequisites as indicated)

BUS 211	Principles of Accounting I	4 credits (Prerequisite required)
BUS 212	Principles of Accounting II	3 credits (Prerequisite required)

Required Computer Science: 34 credits (plus prerequisites as indicated)

CSC 210	Computer Science I	3 credits (Prerequisite required)
CSC 215	Digital Topics	2 credits (Prerequisite required)
CSC 225	Information Systems I	4 credits (Prerequisite required)
CSC 230	Information Systems II	3 credits (Prerequisite required)
CSC 270	Telecommunications	3 credits (Prerequisite required)
CSC 280	Introduction to Database	4 credits (Prerequisite required)
CSC 290	Building Local Area Networks	3 credits (Prerequisite required)
CSC 460	System Analysis and Design	5 credits (Prerequisite required)
CSC 480	Information Systems Project	4 credits (Prerequisite required)
CSC electives	numbered above 199	3 credits (Prerequisite required)

Computer Information Systems Minor**Computer Science Requirements: 19 credits (plus prerequisites as indicated)**

CSC 210	Computer Science I	3 credits (Prerequisite required)
CSC 215	Digital Topics	2 credits (Prerequisite required)
CSC 225	Information Systems I	4 credits (Prerequisite required)
CSC 230	Information Systems II	3 credits (Prerequisite required)
CSC 280	Introduction to Database	4 credits (Prerequisite required)
CSC electives	numbered above 199	3 credits (Prerequisite required)

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, Section II.

CSC 070 FIELD EXPERIENCE/INTERNSHIP*Credit hours to be arranged*

Academic credit is offered for appropriate off-campus, computer-related experience. See Field Experience/Internship Program, Section II.

CSC 121 INTRODUCTION TO COMPUTER INFORMATION SYSTEMS*Three credit hours*

Concepts and methods concerning the use of computer-based systems in business and other aspects of society, including communication technologies and the sciences. Several microcomputer applications will be introduced in a hands-on, laboratory setting, including electronic spreadsheets, database managers, e-mail, the Internet, and the World Wide Web.

CSC 131 COMPUTER APPLICATION SOFTWARE*Two credit hours*

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 150 FUNDAMENTALS OF COMPUTER SCIENCE*Three credit hours*

Prerequisite: three years of high school mathematics, including second year algebra.

A survey of the field of computer science including a study of the design of computer programs. Programming techniques are covered and the common logic patterns sequence, selection (branching), looping, and modularization will be covered in detail. These logical patterns will be applied to algorithms common to many complex programs.

CSC 210 COMPUTER SCIENCE I: PROGRAMS AND APPLICATIONS*Three credit hours*

Prerequisite: familiarity with the concepts of a high-level procedural language. (CSC 150 or consent of instructor)

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. Repletion, selection, procedures, simple data types, arrays, and records are covered. Structured design and programming techniques are emphasized.

CSC 215 DIGITAL TOPICS*Two credit hours*

Co-requisite—CSC 210 or consent of instructor

This course provides an introduction to the internal structure and operation of digital machinery along with the fundamental nature of digital computations. Topics include the internal representation of values and instructions, digital logic and circuits, and machine language.

CSC 225 INFORMATION SYSTEMS I*Four credit hours*

Prerequisite: CSC 210 or consent of instructor and MTH 161. May be taken concurrently.

This course applies the program design skills learned in prior courses to the art of writing business programs in COBOL. Concepts covered include table handling; sequential, direct and binary searching; sequential file access; subroutines, and the fundamentals of data structures.

CSC 230 INFORMATION SYSTEMS II**Three credit hours***Prerequisite CSC225*

The follow-on course to CSC 225, this course introduces indexed and relative file access including hashing algorithms, report writing, and the fundamentals of imbedded code, particularly, DB2. Students will write interactive COBOL programs using these concepts in an object-oriented COBOL environment.

**CSC 260 COMPUTER SCIENCE II:
COMPLEXITY AND STRUCTURES****Five credit hours***Prerequisite: MTH 262 (may be taken concurrently) CSC 210, and CSC 215.*

This course emphasizes the design, construction, and use of structured data and objects. Both linear and non-linear structures are covered, including lists, stacks, queues, trees, and graphs. Special attention is paid to the time and space complexity of the related algorithms.

CSC 263 SEMINAR**Three credit hours**

Selected topics in computer science.

CSC 270 TELECOMMUNICATIONS**Three credit hours***Prerequisite: CSC 210 and 215*

An in-depth initiation to data communications. Fundamental communications concepts (data and voice) are introduced as well as analysis of communications hardware, protocols, and software. Network configurations, design, security, control, and management will include studies of LANs, WANs, VANs, OSI models, ISDN, Packet Switching, common carrier service offerings, Internet, and Intranets. Vocabulary, hardware, concepts, issues, trends, and decision making as well as the link between business needs and the data communications field are stressed.

CSC 280 INTRODUCTION TO DATA BASE SYSTEMS**Four credit hours***Prerequisite: CSC 230 or 260 or consent of the instructor.*

Includes a discussion of major database types. The design and organizations of a database as well as accessing, updating and report generation are presented. A relational database is emphasized and used for student assignments.

CSC 290 BUILDING LOCAL AREA NETWORKS**Three credit hours***Prerequisite: CSC 210 and CSC 215.*

This course covers the design, installation, maintenance, supervision and performance of Local Area Networks (LANs) from both a theoretical and applied perspective, including network topology, cabling and support issues, and hardware considerations. It contains a lab component in which a fully functional network is designed and configured.

CSC 310 ASSEMBLY LANGUAGE**Three credit hours***Prerequisite: CSC 260.*

This course covers Computer Architecture and provides an introduction to machine language. Also covered are addressing techniques, macros, file I/O and assembler construction.

CSC 320 COMPUTER ARCHITECTURE & HARDWARE

Three credit hours

Prerequisite: CSC 260 or consent of the instructor.

This course covers computer architecture, basic logic design, and computer architecture simulation.

CSC 390 COMPILER DESIGN

Four credit hours

Prerequisite: CSC 260.

This is an applied course in programming language constructs showing how program structures are implemented in a compiler. The course uses a specific language, usually C, to illustrate compiler design principles. The course requires students to write a simple compiler.

CSC 400 OPERATING SYSTEMS

Four credit hours

Prerequisite: CSC 260 and MTH 142.

Topics included in the course are as follows: selected problems in operating systems such as mutual exclusion, deadlock, interrupt servicing, memory management, process management, processor management, virtual storage management, job scheduling, secondary storage management and a brief introduction to database management techniques in a multi-user environment. Students will be required to write a simple operating system.

CSC 460 SYSTEMS ANALYSIS AND DESIGN

Five credit hours

Prerequisite: CSC 230 or 260.

This course applies the tools and techniques of *Structured Systems Analysis* to the construction of a logical model of a current data processing system. From the resulting System Specifications, the tools of *Structured Systems Design* are used to develop both a logical and a physical design of the data processing system. The course will also examine object-oriented systems analysis and design.

CSC 470 CO-OP EXPERIENCE

Three credit hours

Prerequisite: CSC 260

CSC 480 INFORMATION SYSTEMS PROJECTS

Four credit hours

Prerequisite: CSC 460.

This course is set in a team environment and is used to demonstrate application systems development and implementation. The theory and practice of project management are studied and applied. Topics include organizational structures, organizing and staffing, management functions, project management software, and project evaluation and control. All topics are discussed and studied in the context of an information system organization.

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 and corrections. The sequence of courses will enable students to understand the psychological, sociological, economic 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 prepare the student academically to become a practitioner in the criminal justice system.

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.

Criminal Justice Major

Computer Code: CRJS

Minimum hours required: 58 to 61 (including prerequisite courses as indicated)

Specific requirements for the interdisciplinary major in criminal justice follow:

Prerequisites

PSY 110, POL 201, SOC 100, ECN 101 and ECN 102 are required of all Criminal Justice majors.

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

Criminal Justice core: 19 hours required

CRJ 165	Overview of the CRJ System	4 credits
POL/CRJ 207	Introduction to Law	3 credits
CRJ/SOC 223	Juv Del/Juv Justice System	3 credits
SOC/CRJ 313	Criminology	3 credits
CRJ/SOC 361	Corrections	3 credits
CRJ 464	Integrative Sem. In Crim. Justice	3 credits

CRIMINAL JUSTICE MAJOR-cont'd next page

Psychology: 11-12 hours required

PSY 110 Principles of Psychology 4 credits (Prerequisite required)

Select one of the following:

PSY 205 Developmental Psychology 3 credits

PSY 315 Child Psychology 4 credits

PSY 325 Adolescent Psychology 4 credits

Select one of the following:

PSY 302 Abnormal Psychology 4 credits

PSY 339 Social Psychology 4 credits

Political Science: 7 hours required

POL 201 American National Government 4 credits (Prerequisite required)

Select one of the following:

POL 303 Public Administration 3 credits

POL 304 Urban Politics 3 credits

POL 308 Civil Liberties 3 credits

POL 309 Criminal Law and the Constitution 3 credits

Sociology: 7-8 hours required

SOC 100 Principles of Sociology 4 credits (Prerequisite required)

Select one of the following:

SOC 201 Social Problems 4 credits

SOC 302 Racial & Cultural Minorities 3 credits

SOC 465 Perspectives on Violence 3 credits

Economics : 11 hours required

ECN 101 Principles of Economics I 4 credits (Prerequisite required)

ECN 102 Principles of Economics II 4 credits (Prerequisite required)

Select one of the following:

ECN 349 Labor in the Economy 3 credits

ECN 352 Public Finance 3 credits

ECN 356 Urban Economics 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

Minor in Criminal Justice

Minimum credits required: 19-21

The requirements for a criminal justice minor are as follows:

POL/CRJ 207	Introduction to Law	3 credits
CRJ 165	Overview of the Criminal Justice System	4 credits
CRJ/SOC 361	Corrections	3 credits

Select one of the following:

SOC/CRJ 313	Criminology	3 credits
CRJ/SOC 223	Juv Del/Juv Justice System	3 credits

Optional

CRJ 464	Integrative Seminar in Criminal Justice	3 credits
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Course Descriptions

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

CRJ 050 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 FIELD EXPERIENCE/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 Field Experience/Internship Program, Section II). Criminal Justice majors are advised to see the director of the Criminal Justice program regarding internship opportunities.

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

This course examines the criminal justice system, consisting of police, courts and corrections. Acquainting the student with critical issues confronting these subsystems and our society will be of paramount importance. Major topics may include due process, police role, pretrial release, prosecutorial discretion and sentencing.

POL/CRJ 207 INTRODUCTION TO LAW *Three credit hours* (cross-listing POL 207)

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 &
THE JUVENILE JUSTICE SYSTEM**

Three credit hours

This course examines competing theories of juvenile delinquency; measures which aid in the prevention and control of this behavior are also addressed. Juvenile justice procedures and cases are presented. Attention is also given to the social consequences of juvenile delinquency and to the corresponding legal and social reactions.

SOC/CRJ 313 CRIMINOLOGY

Three credit hours

Prerequisite: SOC 100 or SOC 106.

This course focuses on the sociological study 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.

CRJ/SOC 361 CORRECTIONS

Three credit hours

(cross-listing SOC 361)

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.

CRJ 464 INTEGRATIVE SEMINAR IN CRIMINAL JUSTICE

Three credit hours

Prerequisite: Participation in Criminal Justice Program, Senior status (approximately for Continuing Education CRJ majors).

This is a 400-level course limited to Criminal Justice majors/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.

ECONOMICS

The Department of Economics provides a program designed to accommodate the needs of a variety of undergraduate students. A survey course (ECN 100) is offered that can partially fulfill the social science core requirement. Principles of Economics (ECN 101 and 102) are offered for economics, political science, pre-engineering, business, criminal justice and other major areas of study.

Economics Major

Computer Code: ECNS

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 problems. 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.

Minimum credits required: 43 (plus prerequisites as indicated).

Required courses:

BUS 211	Principles of Accounting I	4 credits (prerequisite required)
ECN 101	Principles of Economics I	4 credits
ECN 102	Principles of Economics II	4 credits (prerequisite required)
ECN 250	Research Methods	3 credits (prerequisite required)
ECN 279	Elements of Statistics	4 credits (prerequisite required)
ECN 379*	Advanced Statistical Methods	3 credits (prerequisite required)
ECN 301	Intermediate Microeconomics	3 credits (prerequisite required)
ECN 302	Intermediate Macroeconomics	3 credits (prerequisite required)
ECN 463	Advanced Seminar	3 credits (prerequisite required)
MTH 136	Mathematics for Business Students (or the equivalent of MTH 136, or any higher level math course).	3 credits (prerequisite required)

3 Elective courses in Economics at the 300/400 level or one section of 263 and two courses at the 300 or 400 level.

The mathematics requirement for students majoring in economics is MTH 136 or its equivalent. The mathematics requirement may be fulfilled by one of the following:

1. Completing successfully MTH 136. 2. Completing successfully the equivalent of MTH 136. 3. Completing successfully any mathematics course numbered higher than 136.

Students majoring in economics should complete ECN 250, 279 and the mathematics requirement early in their program.

*Previously numbered ECN 280.

Mathematical Economics Major

Computer Code: MTEC

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 and business.

Minimum credits required: 46-47 credits (plus prerequisites as indicated)

Required courses:

Economics Department

ECN 101	Principles of Economics I	4 credits
ECN 102	Principles of Economics II	4 credits (prerequisite required)
ECN 250	Research Methods	3 credits (prerequisite required)
ECN 301	Intermediate Microeconomics	3 credits (prerequisite required)
ECN 302	Intermediate Macroeconomics	3 credits (prerequisite required)
ECN 279	Elements of Statistics* OR	
MTH 405	Mathematical Statistics	4 credits (prerequisite required)
ECN 379**	Advanced Statistical Methods	3 credits (prerequisite required)
ECN 463	Seminar in Mathematical Economics	3 credits (prerequisite required)

Total credits in Economics: 27

* If MTH 405 is taken, an additional course in economics at the 300 or 400 level is to be substituted for ECN 279.

**Previously numbered ECN 280.

Required courses:

Mathematics Department

MTH 141	Calculus I	4 credits (prerequisite required)
MTH 142	Calculus II	4 credits (prerequisite required)
MTH 243	Calculus III	4 credits (prerequisite required)
MTH 211	Linear Algebra	4 credits (prerequisite required)
MTH 212	Differential Equations OR	3 credits (prerequisite required)
MTH 405	Mathematical Statistics I	4 credits (prerequisite required)

Total credits in Mathematics: 19 or 20

MTH 405 can substitute for ECN 279, in which case an additional economics course at the 300 or 400 level must be taken.

Economics Minor

A minor in economics consists of 21 credit hours plus prerequisites. Students must take ECN 101, 102, 301, and two other courses at the 300 or 400 level in economics. The minor is completed by taking either ECN 279 or BUS 211.

Economics Field Experience Option

The faculty of the department strongly encourages participation in the Field Experience 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.

Course Descriptions

ECN 050 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 FIELD EXPERIENCE/INTERNSHIP

One to eight credit hours

Economics majors and other students interested in economics are encouraged to participate in the Field Experience/Cooperative Education Program. The purpose of the Program is to enable students to broaden their horizons by merging valid work experience with class room training. All Field Experience/Internship programs in economics must be coordinated through the Office of Field Experience and the Department of Economics. See Guidelines for Field Experience available in the Economics Department office for further information. Also see Field Experience/Internship Program, Section II.

ECN 100 SURVEY OF ECONOMICS

Three credit hours

Designed to partially fulfill the general curriculum requirement in social science. 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 micro-economics: 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 macro-economics: national income, employment, inflation, economic growth, monetary and fiscal policies, international economics and alternative economic systems.

ECN 150 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 will teach the course. The student can satisfy three core credits, either in the sciences (BIO 200) or in the social sciences (ECN 150).

ECN 250 RESEARCH METHODS FOR ECONOMISTS

Three credit hours

Prerequisites: ECN 101 and 102.

This course is designed to familiarize students with basic research techniques. Students will learn the methodology used by social scientists and become familiar with computer and conventional library searches. Secondly, through use of computers, students will develop basic skills that are widely used: creating and manipulating data sets and using statistical software to perform simple operations. Finally, the course is writing intensive to improve communication skills.

263 SOPHOMORE SEMINAR IN ECONOMICS

Three credit hours

Prerequisites: ECN 101 and 102.

Examination of special topics in Economics.

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 379 ADVANCED STATISTICAL METHODS

Three credit hours

(Formerly ECN 280) 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 301 INTERMEDIATE ECONOMICS I (MICRO THEORY) *Three credit hours*

Prerequisites: ECN 101, 102 and 279.

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) *Three credit hours*

Prerequisites: ECN 101, 102 and 279.

An in-depth intermediate level discussion of macro-economics, 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

Prerequisites: ECN 101 and 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 340 CONTROVERSY AND PROGRESS IN ECONOMICS:
THE HISTORY OF ECONOMICS IDEAS** *Three credit hours*

Prerequisites: ECN 101 and 102.

This course provides a historical and critical perspective on economics by considering what makes the discipline "scientific," and how economics has progressed. Focusing on "revolutions" and controversy in economic thought, and using original texts, the student considers whether the discipline is independent from ideology, and whether current policy debates have historical precedents. Topics include the Scholastics, Mercantilism, Physiocracy, Classical and Neoclassical Economics, and Keynes. Offered in alternate years.

**ECN 341 EPISODES IN THE ECONOMIC HISTORY
OF NORTH AMERICA AND THE CARIBBEAN**

Three credit hours

Prerequisites: ECN 101 and 102.

An analysis is conducted of how key past events are shaped by economics, and how current economic policy is informed by historical study. Topics include growth, technological change, income distribution, and government policy in diverse historical settings such as colonization, slavery and emancipation, the Great Depression, and the economic transformation of the industrial Midwest. Offered in alternate years.

ECN 349 LABOR IN THE ECONOMY

Three credit hours

Prerequisites: ECN 101 and 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

Prerequisites: ECN 101 and 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. Offered in alternate years.

ECN 356 URBAN ECONOMICS

Three credit hours

Prerequisites: ECN 101 and 102.

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

ECN 358 ENVIRONMENTAL ECONOMICS

Three credit hours

Prerequisites: ECN 101 and 102.

A study of the economic approaches to environmental and natural resource issues. The study will include 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 360 COMPARATIVE ECONOMIC SYSTEMS***Three credit hours****Prerequisites: ECN 101 and 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 when International Economics (ECN 365) is not offered.

ECN 362 ECONOMICS OF DEVELOPING COUNTRIES***Three credit hours****Prerequisites: ECN 101 and 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 365 INTERNATIONAL ECONOMICS***Three credit hours****Prerequisites: ECN 101 and 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). Offered when Comparative Economic Systems (ECN 360) is not offered.

ECN 463 SEMINAR***Three credit hours****Open to seniors and juniors of approved standing. Prerequisite: ECN 101 and 102.*

Group study of advanced problems.

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 approved by the State of Ohio Department of Education, North Central Association of Colleges and Schools, and 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 faculty of the Division of Education and the academic leadership of the College are committed to the development of a strong program of teacher education built upon a performance-based program. The teacher education curriculum is structured on the theme of Teacher as a Reflective Decision Maker and includes field experiences, seminars, class sessions, assessment and remediation procedures, based in the knowledge of six integrating themes of philosophical foundations, historical perspectives, sociological foundations, multicultural dimensions, implications for teaching and learning, and technology.

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 (prekindergarten-grade 3) License

Computer Code: EDUC

Minimum credits required: 54

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 values:

EDU 101	Introduction to Education and Teaching	2 credits
EDU 102	Introductory Field Experience	0 credits
EDU 103	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 202	Intermediate Field Experience	0 credits
EDU 203	Introduction to Early Childhood Education	3 credits
EDU 204	The Teaching of Phonics	2 credits

EARLY CHILDHOOD EDUCATION--cont'd next page

EDU 208A	Developmentally Appropriate Programs in Early Childhood Education	2 credits
EDU 208B	Guiding Young Children	2 credits
EDU 300	Family & Community in Early Childhood Education	2 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	Student Teaching in Early Childhood Education	10 credits
EDU 488	Senior Seminar	1 credit
EDU 489	Multicultural Seminar	1 credit

+ Must have a grade of “C” or better. **“C-” is not a grade of C.** If a grade of C- or below is earned, the course must be repeated.

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

The Early Childhood Education program is under review by the State Department of Education and requirements may change.

To add a license in **Mild/Moderate Educational Needs**, the Early Childhood Education candidate must complete the following sequence of courses to earn an Ohio license in Mild/Moderate Educational Needs:

+ EDU 343	Reading Instruction in Middle Childhood Education	3 credits
+ EDU 347	Mathematics Instruction in Middle Childhood Education	3 credits
EDU 474	Introduction to Students with Mild/Moderate Educational Needs	3 credits
EDU 476	Behavior Management for Students with Mild/Moderate Educational Needs	2 credits
+ EDU 477	Assessment & Remediation Strategies for Students with Mild/Moderate Educational Needs	3 credits
EDU 415	Student Teaching in Mild/Moderate Educational Needs (7 weeks)	5 credits

A student may also major in Mild/Moderate Educational Needs. See the license requirement which follow for more details on this program. **(This area is subject to review by the State Department of Education and requirements may change.)**

Middle Childhood Education (grades 4-9) License Computer Code: EDUM

Minimum credits required: 54-55

MIDDLE CHILDHOOD EDUCATION--cont'd next page

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, 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 credit
EDU 103	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	4 credits
EDU 202	Intermediate Field Experience	0 credit
EDU 204	The Teaching of Phonics	3 credits
EDU 205	Introduction to Middle Childhood Education	3 credits
EDU 340	Assessment of Teaching and Learning	2 credits
+ EDU 341	Adolescent Young Adult Literature	2 credits
+ EDU 342	Literacy Instruction in Middle Childhood Education	3 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

Choose at least two of the following (must correlate with teaching field):

+ EDU 341, 342, 343, 348, 334	(Reading/Language Arts)	12 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 481	Student Teaching in Middle Childhood Education	10 credits
EDU 488	Senior Seminar	1 credit
EDU 489	Multicultural Seminar	1 credit

Total (plus the hours in the two areas listed below) 54-55 credits

+ Must have a grade of “C” or better. “C-” is not a grade of C. If a grade of C- or below is earned, the course must be repeated.

The degree earned with a major in middle childhood education is a Bachelor of Science in Education (B.S. in Ed.). The student must also take the required courses in two of the following curriculum areas:

- Reading and Language Arts (30 hours)
- Mathematics (27-29 hours)
- Science (31.5-37 hours)
- Social Studies (25 hours)

The Middle Childhood Education program is under review by the State Department of Education and requirements may change.

To add a license in **Mild/Moderate Educational Needs**, the Middle Childhood Education

candidate must complete the following sequence of courses to earn an Ohio license in Mild/Moderate Educational Needs:

+ EDU 342	Literacy Instruction in Middle Childhood Education	3 credits
+ EDU 343	Reading Instruction in Middle Childhood Education	3 credits
+ EDU 347	Mathematics Instruction in Middle Childhood Education	3 credits
EDU 474	Introduction to Students with Mild/Moderate Educational Needs	3 credits
EDU 476	Behavior Management for Students with Mild/Moderate Educational Needs	2 credits
+ EDU 477	Assessment & Remediation Strategies for Students with Mild/Moderate Educational Needs	3 credits
EDU 415	Student Teaching in Mild/Moderate Educational Needs (7 weeks)	5 credits

A student may also major in Mild/Moderate Educational Needs. See the licensure requirements which follow for more details on this program. **(This program is subject to review by the State Department of Education and requirements may change.)**

Adolescent Young Adult Education (7-12) License and Multi-Age Education (prekindergarten-12) License

Minimum credits required: 34-35

For adolescent young adult and multi-age licenses, a student majors in an academic area, completing courses required for license. Degrees offered include B.A., B.S., and B.M.E., depending upon major. Program in Music (prekindergarten-grades 12) varies from the format below; see Section IX, The Conservatory of Music.

EDU 101	Introduction to Education and Learning	2 credits
EDU 102	Introductory Field Experience	0 credit
EDU 103	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 and Management Skills	4 credits
EDU 202	Intermediate Field Experience	0 credit
EDU 206	Introduction to Adolescent Education	2 credits
EDU 340	Assessment of Teaching and Learning	2 credits
EDU 348	Reading in the Content Area	3 credits
+ EDU 350	Special Methods in Adolescent Young Adult/Multi-Age Teaching Field	3/4 credit
EDU 487	Student Teaching: Adolescent Young Adult Education OR	10 credits
EDU 490	Student Teaching: Multi-Age Education	10 credits
EDU 488	Senior Seminar	1 credit
EDU 489	Multicultural Seminar	1 credit

+ Must have a grade of "C" or better. "C-" is not a grade of C. If a grade of C- or below is earned, the course must be repeated.

(This program is under review by the State Department of Education and requirements may change.)

To add a license in **Mild/Moderate Educational Needs**, the Adolescent Young Adult/Multi-Age Education candidate must complete the following sequence of courses to earn an Ohio license in Mild/Moderate Educational Needs:

+ EDU 342	Literacy Instruction in Middle Childhood Education	3 credits
+ EDU 343	Reading Instruction in Middle Childhood Education	3 credits
+ EDU 347	Mathematics Instruction in Middle Childhood Education	3 credits
EDU 474	Introduction to Students with Mild/Moderate Educational Needs	3 credits
EDU 476	Behavior Management for Students with Mild/Moderate Educational Needs	3 credits
+ EDU 477	Assessment & Remediation Strategies for Students with Mild/Moderate Educational Needs	3 credits
EDU 415	Student Teaching in Mild/Moderate Educational Needs (7 weeks)	5 credits

A student may also major in Mild/Moderate Educational Needs. See the license requirements which follow for more details on this program. **(This program is subject to review by the State Department of Education and requirements may change.)**

Mild/Moderate Educational Needs (K-12) License

Computer Code: EDUD

Minimum credits required: 71

The license in Mild/Moderate Educational Needs is currently the only area of Intervention Specialist License available at Baldwin-Wallace College. For a Mild/Moderate Educational Needs 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 values:

EDU 101	Introduction to Education and Teaching	2 credits
EDU 102	Introductory Field Experience	0 credit
EDU 103	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 and Management Skills	4 credits
EDU 202	Intermediate Field Experience	0 credit
EDU 204	The Teaching of Phonics	3 credits
EDU 340	Assessment of Teaching and Learning	2 credits
+ EDU 331	Literature in Early Childhood Education OR	2 credits
+ EDU 341	Literature in Middle Childhood Education	2 credits
+ EDU 332	Literacy Instruction in Early Childhood Education	3 credits
+ EDU 342	Literacy Instruction in Middle Childhood Education	3 credits
+ EDU 333	Reading Instruction in Early Childhood Education	3 credits
+ EDU 343	Reading Instruction in Middle Childhood Education	3 credits
EDU 334	Diagnostic and Remedial Reading Methods	3 credits

MILD/MODERATE EDUCATIONS NEEDS--cont'd next page

+ 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
PSY 315	Child Development	4 credits
PSY 325	Adolescent Development	4 credits
EDU 474	Introduction to Students with Mild/Moderate Educational Needs	3 credits
EDU 476	Behavior Management for Students with Mild/Moderate Educational Needs	2 credits
+ EDU 477	Assessment & Remediation Strategies for Students with Mild/Moderate Educational Needs	3 credits
EDU 484	Student Teaching - Mild/Moderate Educational Needs	10 credits
EDU 488	Senior Seminar	1 credit
EDU 489	Multicultural Seminar	1 credit

+ Must have a grade of “C” or better. **“C-” is not a grade of C.** If a grade of C- or below is earned, the course must be repeated.

The Mild/Moderate Educational Needs program is under review by the State Department of Education and requirements may change.

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 student teaching 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 will be obtained in the Office of Career Services and not in the Division of Education. Candidates should study the Job Bulletins which are issued weekly by the Office of Career Services. They are asked to note the on-campus interview schedules and other teaching opportunities posted on various bulletin boards on campus. Students are urged to avail themselves to as many interviews as possible.

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 résumés 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 them to network with educators from area schools. The Office of Career Services meets with students early and often during their college experience so they may realize their goal of employment upon graduation.

Although the Office of Career Services offers valuable assistance to prospective teachers, final job placement responsibility 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

Almost all professional courses in education have planned field experiences; students are expected to spend time in schools in both urban and suburban or rural locations. Students are encouraged to enroll in the first course (EDU 101) during their first year since this course is designed in part to assist students with decisions regarding a career in education.

In addition to the planned field experiences in regular professional courses, students are encouraged to secure work experience with youth groups, assist with camp counseling, playground supervision, club sponsorship, etc. Such experiences can be of great assistance in the preparation of good teachers.

Transportation to and from any field-based experience 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 a handbook entitled “Policies and Procedures for Teacher Education at Baldwin-Wallace College.” All students currently preparing to teach, or who anticipate entering preparation for teaching, should obtain this annual handbook from the Division of Education or from the advisors who work closely with teacher education programs.

Details pertaining to admission to teacher education, licensure, the required laboratory and field experiences, student teaching, counseling, progress reports, and placement procedures are described in the handbook.

Admission to the Teacher Education Program Leading to Licensure

The Division of Education strongly supports the Non-Discriminatory Policy of Baldwin-Wallace College and consistently seeks to assure that programs related to teacher education do not discriminate on the basis of race, sex, political affiliation, religion, age, or socio-economic status for teacher education students or any others affiliated in any way with the program.

There are several prerequisites a student must meet in order to become admitted to the teacher education program, to continue in the teacher education program, and finally to be admitted to student teaching.

Those Eligible for Admission. All students who have been admitted to Baldwin-Wallace College may be considered for admission to the teacher education program, providing they follow the procedures outlined below. Although any student may elect certain education courses to satisfy personal interests, the formal application procedure is required for those who seek to obtain a license.

Teacher Education Admission Procedures. Procedures and policies are reviewed by the Division of Education including the Department of Music Education and by the all-college Teacher Education Committee in keeping with the mandates of the Ohio standards for teacher licensure. Steps in the admission procedure include the following:

- (1) Preliminary application for Admission to the Teacher Education program (Form I)

is made during the semester the student is enrolled in EDU 101, Introduction to Education and Teaching, or, if transferring that course, the first semester the student is enrolled at Baldwin-Wallace College. The purpose of this procedure is to identify interested students so that an orderly system of communications may be established. Upon completing this application, the candidate must:

- a. sign a statement attesting to being of good moral character*
(PLAGIARISM will not be tolerated and could result in dismissal from the Teacher Education Program)
- b. successfully complete the required assessment of motivation*

(2) Formal application to the Teacher Education Program (Form II) is made during the semester the student is enrolled in EDU 201 Teaching Strategies and Management Skills, or EDU 208A for Early Childhood Education majors, or if transferring that course, during the third semester at Baldwin-Wallace. The application requires the candidate:

1. to have the above two forms completed

2. to successfully complete measures of:

- a. Interpersonal Skills
- b. Written communication (grade of “C” or better in ENG 131)+
- c. Oral communication (grade of “C” or better in SCC 112 for Early Childhood Education majors, Mild/Moderate Educational Needs majors, Middle Childhood Education majors, Adolescent Young Adult Education, and Multi-Age Education majors)+
- d. Mathematics skills: The math competency policy is:
 - 1) Students who wish to be licensed to teach Early Childhood Education or Mild/Moderate Educational Needs must pass MTH 111 and MTH 112 (with a grade of C or better**) to meet the math competency requirement. The math courses must be taken at Baldwin-Wallace College for a grade.
 - 2) Students who wish to be licensed to teach any areas of Middle Childhood Education must pass any one of MTH 111, MTH 112, MTH 134, MTH 135, MTH 136, MTH 140, MTH 141, or MTH 161 (with a grade of C or better*) to meet the math competency requirement. Of course students who wish to have a teaching field in mathematics at the Middle Childhood Education level have additional requirements beyond the competency. The math course must be taken at Baldwin-Wallace College for a grade.
 - 3) Students who wish to be licensed to teach at the Adolescent Young Adult Education or Multi-Age Education level who are not math majors must pass any one of MTH 134, MTH 135, MTH 136, MTH 140, MTH 141, or MTH 161 (with a grade of at least C**) to meet the math competency requirement. The math course must be taken at Baldwin-Wallace College for a grade (except for Option 3 students--see page 112).

* In cases where a student is unable to meet minimum competency, a program of remediation will be prescribed. See the Chairman, Division of Education, for further details.

** NOTE: C- is not a grade of C.

3. to successfully complete 30 semester hours of college work, including 8 semester hours in professional education. (Transfer students and special students must have

completed a minimum of 10 semester hours of work at Baldwin-Wallace College, of which at least 4 semester hours must be from the Division of Education before being considered for admission to the program.)

4. to maintain a 2.500 cumulative grade point average at the time of application.

5. Additionally, for admission to music education, students must:

- a. audition in major applied instrument
- b. audition in minor applied instrument
- c. pass an examination in rudiments of music
- d. pass an examination of piano proficiency
- e. pass an examination of aural comprehension.

In certain cases, an interview with the Chairman of the Division of Education will be required.

- (3) Final application for Admission to Teacher Education Program (Form III). The student must submit this form after EDU 330 or 340, Assessment. The student must be accepted into the Teacher Education Program, approved and recommended by the Assessment professor before he/she can proceed into the methods courses in his or her major area. To be accepted into the Teacher Education Program, the student must have completed all of the requirements listed for the Formal Application (Form II), and have a 2.500 overall cumulative grade point average. To be eligible to take methods courses, the student must have completed ALL of the above requirements and maintained a 2.500 cumulative grade point average. The student must also have successfully completed MTH 111 and MTH 112 for Early Childhood Education and Mild/Moderate Educational Needs. The Adolescent Young Adult Education and Multi-Age Education students must have successfully completed one of the Math courses as listed under the requirements for Form II.
- (4) Recommendation for Student Teaching (Form IV). The student files this recommendation form upon successful completion of methods courses. (A grade of C or better in each methods courses is required.) The form must be signed by professors teaching in the methods sequence or the methods courses.

The student must also meet these requirements:

- a. 90% of his/her college program must be successfully completed
- b. 2.500 overall cumulative grade point average
- c. 2.500 cumulative grade point average in the last 26 hours of graded coursework
- d.*2.500 cumulative grade point average required in the teaching field(s). (*3.000 cumulative grade point average required for English and Music Education; 3.000 for Music applied study)

- (5) Application for Student Teaching (Form V). The student must complete and submit this application one semester before the anticipated student teaching semester. All criteria listed above must be successfully completed before the application can be processed by the Division of Education.

Appeal Procedure

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

Review Procedure

All teacher education candidates are reviewed periodically by a faculty committee. Problem cases are called for an interview by the Chairman of the Division of Education or representative, and appropriate remedial work may be prescribed or a student may be advised to withdraw from teacher education.

Early Childhood Education License

Course Requirements. Early Childhood Education majors must complete the courses as listed on the current “Model Program” including all work listed under (A) General Education/Core Requirements; (B) Professional Education (All methods courses must have been taken within the last five years prior to license and with a grade of “C” or better. **A grade of “C-” is not a “C”**); and (C) Completion of Graduation Requirements. Minor variations in the program may be accepted provided prior approval is received from the student’s advisor.

Only those courses on the model program sheet designated with an asterisk (*) may be taken for an S/U grade. All other courses are required courses for the early childhood education major and must be taken for a grade.

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.

Comprehensive Examination for Early Childhood Education Majors. The comprehensive examination for degree candidates in early childhood education consists of Student Teaching. Each license candidate is required to complete a satisfactory student teaching experience. If a student does not successfully complete student teaching as described above, the Division of Education reserves the right to require an alternative experience.

Licensure. A provisional teacher license, valid for two years, is available for early childhood education, prekindergarten through grade 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 licensure would require a program of: (A) General Education Core Requirements; (B) Professional Education (with a grade of “C” or better in all methods courses. **“C-” is not a grade of “C”**); (C) Teaching Fields: course work distributed over **two** of the following curriculum areas:

1. Reading/Language Arts (30 credits)
2. Mathematics (27-29 credits)
3. Science (31.5-37 credits)
4. Social Studies (25 credits)

Comprehensive Examination for Middle Childhood Education Majors. The comprehensive examination for degree candidates in middle childhood education consists of Student Teaching. Each license candidate is required to complete a satisfactory student teaching experience. If a student does not successfully complete student teaching as described above, the Division of Education reserves the right to require an alternative experience.

For further information regarding Middle Childhood License, please call the Division of Education Office, (440)826-2166.

Adolescent Young Adult/Multi-Age Education License

Students preparing for an Adolescent Young Adult 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”. In addition to fulfilling all graduation requirements as specified by Baldwin-Wallace and the student’s major department, the prospective teacher must meet the licensure requirements as listed under (A) General Education Core Requirements, (B) Professional Education (all methods courses must have been taken within the last five years prior to licensure and with a grade of “C” or better. **A grade of “C-” is not a grade of “C”.**); and (C) Teaching Field(s). The sequence of professional education courses described earlier applies unless a particular exception has been planned and approved by the Division of Education and the State of Ohio.

Selecting Teaching Fields. Selection of teaching fields 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 2.500 grade point average is required for all teaching areas except English and Music Education, where a 3.000 grade point average is required.

Multi-Age Education (grades prekindergarten through twelve) (State approval in progress.)

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

Adolescent Young Adult Education (grades seven through twelve) (State approval in progress.)

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

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” including all work listed under (A) General Education and Core Requirements (All methods courses must have been taken within the last five years prior to license and with a grade of “C” or better. **A grade of “C-” is not a “C”.**); (B) Professional Education; (C) Specialization; and (D) Completion of Graduation Requirements.

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 will require additional coursework to add Mild/Moderate Educational Needs.

Comprehensive Examination for Mild/Moderate Educational Needs Majors. The comprehensive examination for degree candidates in Mild/Moderate Educational Needs consists of Student Teaching. Each license candidate is required to complete a satisfactory student teaching experience. If a student does not successfully complete student teaching as described above, the Division of Education reserves the right to require an alternative experience.

Endorsements

Endorsements can be added to all licenses in the following areas:

1. Reading
2. Computer Technology (**State approval in progress.**)

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 consists of the Principles of Learning and Teaching Exam and the Specialty Exam, if required.

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. Option 3 candidates must take all exams for licensure and endorsements.

Candidates currently holding a license and seeking educational personnel license (e.g. supervisor or 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."

Option 3 Program

The Option 3 program is an alternative licensure program for a student with a degree, but no license. The student must fulfill all requirements for general education, professional education, specialization, and specialty teaching field, including student teaching. The student earns a license in the specialty area, a Master's degree, and license in the Master's major. This is done by completing courses in general education, professional education, and specialty teaching field at the undergraduate level which they have not already completed in the Bachelor's program. The student must also complete undergraduate professional education courses that are not covered in the professional education courses in the Master's program. Before a license is issued, the student must complete all requirements for the license and the degree in the Master's program. The following are the Option 3 programs available at Baldwin-Wallace College. Check in the Division of Education for the "Model Program" sheets delineating the requirements for each Option 3 program.

Early Childhood Education License (with Reading Endorsement) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to a early childhood education license (prekindergarten through grade three). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, early childhood education license, and Reading endorsement (K-12). The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Early Childhood Education License (with Mild/Moderate Educational Needs License) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to an early childhood education license (prekindergarten through grade three), and Mild/Moderate Educational Needs license (K-12). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, early childhood education license, and Mild/Moderate Educational Needs license. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Early Childhood Education License (Pre-Administration) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to early childhood education license (prekindergarten through grade three). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, and an early childhood license. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree. Post-master courses will lead to the Principal's license at the Early Childhood level.

Middle Childhood Education (with Reading Endorsement) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to Middle Childhood Education (grades four through nine) through a combination of graduate and undergraduate courses. The individual may complete a Master of Arts in Education degree, middle childhood education license, and Reading endorsement (K-12). The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Middle Childhood Education (with Pre-Administration) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to middle childhood education license (grades four through nine). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree and a middle childhood education license. Additional courses in administration (Post M.A. in Ed.) lead to the Principal's license.

Adolescent Young Adult Education/Multi-Age License (with Reading Endorsement) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to adolescent young adult education license (grades seven through twelve) or multi-age license (prekindergarten through grade twelve). Through a combination of graduate and undergraduate courses, the individual may earn a Master of Arts in Education degree, adolescent young adult education license or multi-age license, and Reading endorsement (K-12). The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Adolescent Young Adult Education/Multi-Age License (with Pre-Administration)

(Option 3) This program is designed for the college graduate who has not completed a course of study leading to adolescent young adult education license (grades seven through twelve) or multi-age license (prekindergarten through grade twelve). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, adolescent young adult education license or multi-age license. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree. Post-master courses will lead to the Principal's license at the Adolescent Young Adult Education or Multi-Age level.

Intervention Specialist License--Mild/Moderate Educational Needs License (Option 3)

This program is designed for the college graduate who has not completed a course of study leading to mild/moderate educational needs license (K-12). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree and mild/moderate educational needs license. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Course Descriptions

Early Childhood Education

EDU 101 INTRODUCTION TO EDUCATION & 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: May be taken concurrently with EDU 101.

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

EDU 103 EDUCATION OF CHILDREN WITH SPECIAL NEEDS

Two credit hours

Prerequisites or may be taken concurrently with EDU 101 and EDU 102; PSY 100 (or PSY 110); PSY 205

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 accommodations strategies will be explored as they relate to trends in reaching students having disabilities, gifts and talents, and diverse cultural needs in both special education and inclusive K-12 settings. (F.E. - 20 hrs.)

EDU 104 TECHNOLOGIES FOR THE K-12 EDUCATOR

Three credit hours

Prerequisites or may be taken concurrently with EDU 101 and EDU 102; PSY 100 (or PSY 110), PSY 205

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, laser disc), instructional strategies, Internet access, electronic classroom training, access and free speech issues, and grant writing.

PSY 205 DEVELOPMENTAL PSYCHOLOGY

Three credit hours

Prerequisite: PSY 100 or 110. This course may be taken to partially satisfy the general curriculum requirement in the Social Sciences

A course designed to help the student gain knowledge of the sequence of human development from conception and birth through infancy, childhood, adolescence, adulthood and aging. The impact of biological and interpersonal factors in the growth and maturation of the individual is considered.

EDU 208A DEVELOPMENTALLY APPROPRIATE PROGRAMS IN EARLY CHILDHOOD EDUCATION

Two credit hours

Prerequisite: EDU 101, 102, 103, 104, PSY 100 (or PSY 110), PSY 205

In this course, students will examine factors which are necessary to create responsive learning environments for young children. Many aspects of the environment will be considered to meet the cognitive and physiological needs of young children.

EDU 208B GUIDING YOUNG CHILDREN

Two credit hours

Prerequisites: EDU 101, 102, 103, 104, PSY 100 (or PSY 110), PSY 205

The goal of early childhood professionals is to have children behave in socially acceptable and appropriate ways. This course introduces students to techniques for guiding, supporting and encouraging young children's positive behavior.

EDU 202 INTERMEDIATE FIELD EXPERIENCE

Zero credit hours

Prerequisites: EDU 101, 102, 103, 104, PSY 100 (or PSY 110), PSY 205

May be taken concurrently with EDU 201

This experience is an intensive, full-day experience in an early childhood, middle childhood, or adolescent setting. Minimum time: 30 hours in a academic setting pre-approved by the Division of Education. (F.E.: 30 hrs.)

EDU 203 INTRODUCTION TO EARLY CHILDHOOD EDUCATION

Three credit hours

Prerequisites: EDU 101, 102, 103, 202, PSY 100 (or PSY 110), PSY 205

May be taken concurrently with EDU 104, EDU 208A, 208B

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 education profession, its historical, philosophical, and social foundations and how they influence current thought and practice. (F.E. - 20 hrs.)

EDU 204 THE TEACHING OF PHONICS

Three credit hours

Prerequisites: EDU 101, 102, 103, 104, PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 208A, 208B.

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 300 FAMILY AND COMMUNITY IN
EARLY CHILDHOOD EDUCATION**

Two credit hours

Prerequisites: EDU 101, 102, 103, 104, PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 208A, 208B.

This course will emphasize changes in contemporary society and families and how these changes affect children and early childhood education programs. Also emphasized will be techniques and strategies for working effectively with diverse family structures and using community resources to support children ages three to eight.

***EDU 312 CHILD AND ADOLESCENT LITERATURE**

Two credit hours

Take concurrently with EDU 313 and EDU 314. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A survey of children's literature adapted to different levels in the elementary and middle grades. (F.E. - 25 hours)

***EDU 313 LANGUAGE ARTS IN THE
ELEMENTARY/MIDDLE GRADES**

Two credit hours

Take concurrently with EDU 312 and EDU 314. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of the techniques and materials relative to the teaching of spelling, handwriting and oral and written language in the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 314 TEACHING OF READING IN THE
ELEMENTARY/MIDDLE GRADES**

Three credit hours

Take concurrently with EDU 312 and EDU 313. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of the techniques and materials relative to the teaching of reading in all subject areas in the elementary and middle grades curriculum. (F.E. - 25 hrs.)

***EDU 315 SOCIAL STUDIES IN THE
ELEMENTARY/MIDDLE GRADES**

Two credit hours

Take concurrently with EDU 316 and EDU 317. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of methods and materials applied to a complementary social studies curriculum at the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 316 SCIENCE/HEALTH IN THE
ELEMENTARY/MIDDLE GRADES**

Two credit hours

Take concurrently with EDU 315 and EDU 317. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of methods and materials applied to the subject of science/health in the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 317 MATHEMATICS IN THE
ELEMENTARY/MIDDLE GRADES**

Three credit hours

Take concurrently with EDU 315 and EDU 316. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391; MTH 111. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of materials and teaching techniques applicable to the teaching of mathematics in the elementary and middle grades. (F.E. - 25 hrs.)

*** Only for students who started under the quarter system and will complete the program by 2001.**

EDU 330 ASSESSMENT IN EARLY CHILDHOOD EDUCATION **Two credit hours**

*Prerequisites: EDU 101, 102, 103, 104, 202, 203, PSY 100 (or PSY 110), PSY 205
May be taken concurrently with Methods*

This course introduces students to assessment strategies appropriate for use in early

childhood learning settings (ages 3-8). Alternatives for formal standardized testing including naturalistic, authentic and performance assessment will be investigated. The course addresses current issues relevant to the role of assessment in early childhood education. (F.E. - 20 hrs.)

EDU 331 LITERATURE IN EARLY CHILDHOOD EDUCATION *Two credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 203, 208A, 208B, PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 330

Students will survey children's literature appropriate for use in early childhood class rooms. This will include the study of various genres of children's literature, as well as strategies for using literature across the curriculum. (F.E. - 25 hrs.)

EDU 332 LITERACY INSTRUCTION IN EARLY CHILDHOOD EDUCATION *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 203, 208A, 208B, PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 330

Students will study techniques, materials, and philosophical approaches to language arts instruction in the early childhood classroom (ages 3-8). Topics include reading, written expression, oral language, and handwriting. (F.E. - 25 hrs.)

EDU 333 READING INSTRUCTION IN EARLY CHILDHOOD EDUCATION *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 234, 208A, 208B, 203, PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 330

Students will study the techniques, materials, and philosophical approaches to literacy instruction for children ages 3-8. This will include topics such as: approaches to reading instruction, emergent reading and writing, using literature, reading comprehension, word identification, vocabulary, home-school partnerships, assessment, and teaching reading in diverse classrooms. (F.E. - 25 hrs.)

EDU 334 DIAGNOSTIC AND REMEDIAL READING METHODS *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 208A, 208B, 203, PSY 100 (or PSY 110), PSY 205, Reading Methods Block

Students will study diagnostic and remedial techniques for teaching reading to students who are experiencing difficulty in reading. This course is designed for students preparing to teach in early childhood, middle childhood, and mild/moderate educational needs settings.

EDU 335 SOCIAL STUDIES INSTRUCTION IN EARLY CHILDHOOD EDUCATION *Two credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 208A, 208B, 203, PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 330, 334

Students will study methods, materials, and teaching strategies used in the social studies curriculum for children ages 3-8. (F.E. - 25 hrs.)

**EDU 336 SCIENCE/HEALTH INSTRUCTION IN EARLY
CHILDHOOD EDUCATION**

Two credit hours

Prerequisites: EDU 101, 102, 103, 104, 202, 208A, 208B, 203, PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 330, 334

This course is a study of the methods and materials used in the science/health curriculum for children ages 3-8. The course will emphasize the teacher's role in establishing the experiential, conceptual, and attitudinal foundations that will prepare children for future science/health learning. (F.E. 25 hrs.)

**EDU 337 MATHEMATICS INSTRUCTION IN EARLY
CHILDHOOD EDUCATION**

Three credit hours

Prerequisites: EDU 101, 102, 103, 104, 202, 208A, 208B, 203, PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 330, 334

Students will study the methods and materials applicable to teaching mathematics to children ages 3-8. A problem-solving approach will be emphasized. (F.E. - 25 hrs.)

EDU 480 STUDENT TEACHING IN EARLY CHILDHOOD

Ten credit hours

Prerequisites: EDU 101, 102, 103, 104, 202, 208A, 208B, 203, PSY 100 (or PSY 110), PSY 205, All Methods

This is a supervised program of observation, participation and classroom teaching experiences in an early childhood setting. Requests for student teaching assignments are limited to schools within a specified distance from Baldwin-Wallace College. (F.E. 450 hrs.)

EDU 488 SENIOR SEMINAR

One credit hour

Take concurrently with student teaching.

Students will discuss student issues and trends affecting the teaching profession. Topics may include communication with parents, professional associations, legal and ethical issues.

EDU 489 MULTICULTURAL SEMINAR

One credit hour

Take concurrently with student teaching.

This course is designed to sensitize students to those cultural factors which influence education, develop an appreciation of cultural similarities and differences, create an awareness of the goals and methodologies of ethnic studies and multicultural education and develop skills in teaching the culturally different student.

Middle Childhood Education

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: May be taken concurrently with EDU 101.

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

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

Prerequisites or may be taken concurrentl with EDU 101 and EDU 102; PSY 100 (or PSY 110); PSY 205

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 accommodations strategies, will be explored as they relate to trends in reaching students having disabilities, gifts and talents, and diverse cultural needs in both special education and inclusive K-12 settings. (F.E. - 20 hrs.)

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

Prerequisites or may be taken concurrentl with EDU 101 and EDU 102; PSY 100 (or PSY 110), PSY 205

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, laser disc), instructional strategies, Internet access, electronic classroom training, access and free speech issues, and grant writing.

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

Prerequisites: EDU 101, 102, 103, 104; PSY 100 (or PSY 110), PSY 205

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. (10-20 hrs. Clinical)

EDU 202 INTERMEDIATE FIELD EXPERIENCE**Zero credit hours**

Prerequisites: EDU 101, 102, 103, 104; PSY 100 (or PSY 110), PSY 205

May be taken concurrently with EDU 201

This experience is an intensive, full-day experience in an early childhood, middle childhood, or adolescent setting. Minimum time: 30 hours in a academic setting pre-approved by the Division of Education. (F.E. - 30 hrs.)

EDU 312 CHILD AND ADOLESCENT LITERATURE*Two credit hours**

Take concurrently with EDU 313 and EDU 314. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching.

(Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A survey of children's literature adapted to different levels in the elementary and middle grades. (F.E. - 25 hours)

***EDU 313 LANGUAGE ARTS IN THE
ELEMENTARY/MIDDLE GRADES**

Two credit hours

Take concurrently with EDU 312 and EDU 314. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of the techniques and materials relative to the teaching of spelling, handwriting and oral and written language in the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 314 TEACHING OF READING IN THE
ELEMENTARY/MIDDLE GRADES**

Three credit hours

Take concurrently with EDU 312 and EDU 313. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of the techniques and materials relative to the teaching of reading in all subject areas in the elementary and middle grades curriculum. (F.E. - 25 hrs.)

***EDU 315 SOCIAL STUDIES IN THE
ELEMENTARY/MIDDLE GRADES**

Two credit hours

Take concurrently with EDU 316 and EDU 317. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of methods and materials applied to a complementary social studies curriculum at the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 316 SCIENCE/HEALTH IN THE
ELEMENTARY/MIDDLE GRADES**

Two credit hours

Take concurrently with EDU 315 and EDU 317. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of methods and materials applied to the subject of science/health in the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 317 MATHEMATICS IN THE
ELEMENTARY/MIDDLE GRADES**

Three credit hours

Take concurrently with EDU 315 and EDU 316. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391; MTH 111. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of materials and teaching techniques applicable to the teaching of mathematics in the elementary and middle grades. (F.E. - 25 hrs.)

*** Only for students who started under the quarter system and will complete the program by 2001.**

EDU 204 THE TEACHING OF PHONICS

Three credit hours

*Prerequisites: EDU 101, 102, 103, 104, 201; PSY 100 (or PSY 110), PSY 205
May be taken concurrently with EDU 201*

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, 102, 103, 201, 202; PSY 100 (or PSY 110), PSY 205
May be taken concurrently with EDU 104*

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 101, 102, 103, 104, 201, 202, 223; PSY 100 (or PSY 110), PSY 205

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. (F.E. - 25 hrs.)

EDU 341 ADOLESCENT YOUNG ADULT LITERATURE *Two credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 201, 223; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently with EDU 340

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. (F.E. - 25 hrs.)

EDU 342 LITERACY INSTRUCTION IN MIDDLE CHILDHOOD EDUCATION *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104, 201, 223; PSY 100 (or PSY 110), PSY 205

May be taken concurrently with EDU 340

Students will study the techniques, materials and philosophical approaches to language arts instruction for students ages 8-14. Topics include spelling, reading, written expression, oral expression, and handwriting. (F.E. - 25 hrs.)

EDU 343 READING INSTRUCTION IN MIDDLE CHILDHOOD EDUCATION *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 201, 223; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently with EDU 340

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. (F.E. - 25 hrs.)

EDU 345 SOCIAL STUDIES INSTRUCTION IN MIDDLE CHILDHOOD EDUCATION *Two credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 201, 223; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently with EDU 340

Students will study materials and teaching strategies applied to the social studies curriculum for students ages 8-14. (F.E. - 25 hrs.)

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

Prerequisites: EDU 101, 102, 103, 104, 202, 201, 223; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently with EDU 340

Students will study the methods and materials used in the science/health curriculum for students ages 8-14. (F.E. - 25 hrs.)

EDU 347 MATHEMATICS INSTRUCTION IN MIDDLE CHILDHOOD EDUCATION

Three credit hours

Prerequisites: EDU 101, 102, 103, 104, 202, 201, 223; PSY 100 (or PSY 110), PSY 205. May be taken concurrently with EDU 340

Students will study the materials and teaching techniques applicable to teaching mathematics to students ages 8-14. A problem-solving approach will be emphasized. (F.E. - 25 hrs.)

EDU 348 READING IN THE CONTENT AREA

Three credit hours

Prerequisites: EDU 101, 102, 103, 104, 201, 223; PSY 100 (or PSY 110), PSY 205, Reading Methods Block

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. Students planning to teach at the middle childhood level may take this course or EDU 334. (F.E. 25 hrs.)

EDU 334 DIAGNOSTIC AND REMEDIAL READING METHODS

Three credit hours

Prerequisites: EDU 101, 102, 103, 104, 201, 223; PSY 100 (or PSY 110), PSY 205, Reading Methods Block

Students will study diagnostic and remedial techniques for teaching reading to students who are experiencing difficulty in reading. This course is designed for students preparing to teach in early childhood, middle childhood, and mild/moderate intervention settings.

EDU 481 STUDENT TEACHING IN MIDDLE CHILDHOOD EDUCATION

Ten credit hours

Prerequisites: All EDU courses and PSY courses required by licensure program

This is a supervised program of observation, participation and classroom teaching experiences in two chosen subject areas in a middle childhood setting. Requests for student teaching assignments are limited to schools within a specified distance from Baldwin-Wallace College. (F.E. - 450 hrs.)

EDU 488 SENIOR SEMINAR

One credit hour

Take concurrently with student teaching.

Students will discuss student issues and trends affecting the profession. Topics may include communication with parents, professional associations, and legal issues.

EDU 489 MULTICULTURAL SEMINAR

One credit hour

Take concurrently with student teaching.

This course is designed to sensitize students to those cultural factors which influence education, develop an appreciation of cultural similarities and differences, create an awareness of the goals and methodologies of ethnic studies and multicultural education and develop skills in teaching the culturally different student.

Adolescent Young Adult/Multi-age Education

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

This course will introduce the beginning student in profession 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: May be taken concurrently with EDU 101

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

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

Prerequisites or may be taken concurrently with EDU 101 and EDU 102; PSY 100 (or PSY 110), PSY 205

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 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. (F.E. - 20 hrs.)

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

Prerequisites or may be taken concurrently with EDU 101 and EDU 102; PSY 100 (or PSY 110), PSY 205

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, laser disc), instructional strategies, Internet access, electronic classroom training, access and free speech issues, and grant writing.

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

Prerequisites: EDU 101, 102, 103, 104; PSY 100 (or PSY 110), PSY 205

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. (10-20 hrs. Clinical)

EDU 202 INTERMEDIATE FIELD EXPERIENCE *Zero credit hours*

Prerequisites: EDU 101, 102, 103, 104; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently with EDU 201

This experience is an intensive, full-day experience in an early childhood, middle childhood, or adolescent setting. Minimum time: 30 hours in a academic setting pre-approved by the Division of Education. (F.E. - 30 hrs.)

EDU 206 INTRODUCTION TO ADOLESCENT EDUCATION *Two credit hours*

*Prerequisites: EDU 101, 102, 103; PSY 100 (or PSY 110), PSY 205.
May be taken concurrently with EDU 104, EDU 201*

This course is an overview of adolescent education for students ages 12 through 21. Current issues confronting the secondary school will be addressed.

EDU 340 ASSESSMENT OF TEACHING AND LEARNING *Two credit hours*

Prerequisites: EDU 101, 102, 103, 104, 201, 233; PSY 100 (or PSY 110), PSY 205

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. (F.E. - 20 hrs.)

EDU 348 READING IN THE CONTENT AREA *Three credit hours*

*Prerequisites: EDU 101, 102, 103, 104, 201 233; PSY 100 (or PSY 110), PSY 205
May be taken concurrently 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. Students planning to teach in middle childhood education may take this course or EDU 334. (F.E. - 25 hrs.)

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

*Prerequisites: EDU 101, 102, 103, 104, 201, 233; PSY 100 (or PSY 110), PSY 205
May be taken concurrently with EDU 340*

This course is designed to provide a special teaching methodology in the student's teaching field. In-school experiences are required as part of the course. (F. E. - 75 hrs.)

**EDU 487 STUDENT TEACHING, ADOLESCENT YOUNG
ADULT EDUCATION** *Ten credit hours*

*Prerequisites: EDU 101, 102, 103, 104, 201, 233, 340, 350; PSY 100 (or PSY 110), PSY 205
May be taken concurrently with 348*

This is a supervised program of observation, participation and classroom teaching experiences in a secondary school. Requests for student teaching assignments are limited to schools within a specified distance from Baldwin-Wallace College. (F.E. 450 hrs.)

OR

EDU 490 STUDENT TEACHING, MULTI-AGE EDUCATION *Ten credit hours*

*Prerequisites: EDU 101, 102, 103, 104, 201, 233, 340, 350; PSY 100 (or PSY 110), PSY 205
May be taken concurrently with 348*

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. (F.E. 450 hrs.)

EDU 488 SENIOR SEMINAR***One credit hour****Take concurrently with student teaching*

Students will discuss student issues and trends affecting the profession. Topics may include communication with parents, professional associations, and legal issues.

EDU 489 MULTICULTURAL SEMINAR***One credit hour****Take concurrently with student teaching*

This course is designed to sensitize students to those cultural factors which influence education, develop an appreciation of cultural similarities and differences, create an awareness of the goals and methodologies of ethnic studies and multicultural education and develop skills in teaching the culturally different student.

Mild/Moderate Educational Needs**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: May be taken concurrently with EDU 101*

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

EDU 103 EDUCATION OF CHILDREN WITH SPECIAL NEEDS***Two credit hours****Prerequisites or may be taken concurrently: EDU 101, 102; PSY 100 (or PSY 110), PSY 205*

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 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. (F.E. - 20 hrs.)

EDU 104 TECHNOLOGIES FOR THE K-12 EDUCATOR***Three credit hours****Prerequisites: May be taken concurrently with EDU 101, 102; PSY 100 (or PSY 110), PSY 205*

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, spreadsheets, presenting CD-ROM, laser disc), instructional strategies, Internet access, electronic classroom training, access and free speech issues, and grant writing.

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

Prerequisites: EDU 101, 102, 103, 104; PSY 100 (or PSY 110), PSY 205

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. (10-20 hrs. Clinical)

EDU 202 INTERMEDIATE FIELD EXPERIENCE *Zero credit hours*

Prerequisites: EDU 101, 102, 103, 104; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently: EDU 201

This experience is an intensive, full-day experience in an early childhood, middle childhood, or adolescent setting. Minimum time: 30 hours in an academic setting pre-approved by the Division of Education. (F.E. - 30 hrs.)

***EDU 312 CHILD AND ADOLESCENT LITERATURE** *Two credit hours*

Take concurrently with EDU 313 and EDU 314. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two credits and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A survey of children's literature adapted to different levels in the elementary and middle grades. F.E. - 25 hours)

***EDU 313 LANGUAGE ARTS IN THE
ELEMENTARY/MIDDLE GRADES** *Two credit hours*

Take concurrently with EDU 312 and EDU 314. Prerequisites: EDU 191; PSY 100 (or 110); SY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two semesters and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of the techniques and materials relative to the teaching of spelling, handwriting and oral and written language in the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 314 TEACHING OF READING IN THE
ELEMENTARY/MIDDLE GRADES** *Three credit hours*

Take concurrently with EDU 312 and EDU 313. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two semesters and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313,

314 sequence first although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of the techniques and materials relative to the teaching of reading in all subject areas in the elementary and middle grades curriculum. (F.E. 25 hrs.)

***EDU 315 SOCIAL STUDIES IN THE** **Two credit hours**
ELEMENTARY/MIDDLE GRADES

Take concurrently with EDU 316 and EDU 317. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two semesters and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of methods and materials applied to a complementary social studies curriculum at the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 316 SCIENCE/HEALTH IN THE** **Two credit hours**
ELEMENTARY/MIDDLE GRADES

Take concurrently with EDU 315 and EDU 317. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two semesters and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of methods and materials applied to the subject of science/health in the elementary and middle grades. (F.E. - 25 hrs.)

***EDU 317 MATHEMATICS IN THE** **Three credit hours**
ELEMENTARY/MIDDLE GRADES

Take concurrently with EDU 315 and EDU 316. Prerequisites: EDU 191; PSY 100 (or 110); PSY 205; EDU 207; EDU 213; EDU 309; EDU 214; EDU 270; EDU 241; EDU 391; MTH 111. This is part of the professional sequence for all elementary and middle grades education majors (EDU 312, 313, 314, 315, 316, 317). Students will split the sequence into two semesters and enroll in either EDU 312, 313, 314 (7 credit hours) or EDU 315, 316, 317 (7 credit hours). It is recommended that students take the EDU 312, 313, 314 sequence first, although it is not required. These courses must precede student teaching. (Only part-time students or those with special permission may take any of these courses individually or in patterns other than those suggested above.)

A study of materials and teaching techniques applicable to the teaching of mathematics in the elementary and middle grades. (F.E. - 25 hrs.)

*** Only for students who started under the quarter system and will complete the program by 2001.**

EDU 204 THE TEACHING OF PHONICS *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently with EDU 201

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 340 ASSESSMENT OF TEACHING AND LEARNING *Two credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205

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. (F.E. - 25 hrs.)

EDU 331 LITERATURE IN EARLY CHILDHOOD EDUCATION *Two credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205

May be taken concurrently with EDU 340

Students will survey children's literature appropriate for use in early childhood class rooms. This will include the study of many various genres of children's literature, as well as strategies for using literature across the curriculum. (F.E. 25 hrs.)

OR

EDU 341 ADOLESCENT YOUNG ADULT LITERATURE *Two credit hours*

Prerequisites: EDU 101, 102, 103, 104, 201; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently with EDU 340

This course is a survey of literature appropriate for use in the classroom for students ages 8-14. Included is the study of many various genres of children's literature, as well as strategies for using literature across the curriculum. (F.E. 25 hrs.)

EDU 332 LITERACY INSTRUCTION IN EARLY CHILDHOOD EDUCATION *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104, 201; PSY 100 (or PSY 110),

PSY 205. May be taken concurrently with EDU 340

Students will study techniques, materials, and philosophical approaches to language arts instruction in the early childhood classroom (ages 3-8). Topics include reading, written expression, oral language, and writing. (F.E. - 25 hrs.)

EDU 342 LITERACY INSTRUCTION IN MIDDLE CHILDHOOD EDUCATION *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104, 201, 340; PSY 100 (or PSY 110), PSY 205.

May be taken concurrently with EDU 340

Students will study techniques, materials and philosophical approaches to language arts instruction for students ages 8-14. Topics include spelling, reading, written expression, oral expression, and handwriting. (F.E. - 25 hrs.)

**EDU 333 READING INSTRUCTION IN EARLY
CHILDHOOD EDUCATION**

Three credit hours

*Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205.
May be taken concurrently with EDU 340*

Students will study the techniques, materials, and philosophical approaches to literacy instruction for children ages 3-8. This will include topics such as: approaches to reading instruction, emergent reading and writing, using literature, reading comprehension, word identification, vocabulary, home-school partnerships, assessment, and teaching reading in diverse classrooms. (F.E. - 25 hrs.)

**EDU 343 READING INSTRUCTION IN MIDDLE
CHILDHOOD EDUCATION**

Three credit hours

*Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205.
May be taken concurrently with EDU 340*

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. (F.E. - 25 hrs.)

EDU 334 DIAGNOSTIC AND REMEDIAL READING METHODS

Three credit hours

*Prerequisites: EDU 101, 102, 103, 104, 202, 201, 340; PSY 100 (or PSY 110), PSY 205,
Reading Methods Block*

Students will study diagnostic and remedial techniques for teaching learners who are experiencing difficulty in reading. This course is designed for students preparing to teach in early childhood, middle childhood, and mild/moderate educational needs settings.

**EDU 345 SOCIAL STUDIES INSTRUCTION IN
MIDDLE CHILDHOOD EDUCATION**

Two credit hours

*Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205.
May be taken concurrently with EDU 340*

Students will study materials and teaching strategies applied to the social studies curriculum for students ages 8-14. (F.E. - 25 hrs.)

**EDU 346 SCIENCE/HEALTH INSTRUCTION IN
MIDDLE CHILDHOOD EDUCATION**

Two credit hours

*Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205.
May be taken concurrently with EDU 340*

Students will study the methods and materials used in the science/health curriculum for students ages 8-14. (F.E. - 25 hrs.)

**EDU 347 MATHEMATICS INSTRUCTION IN MIDDLE
CHILDHOOD EDUCATION**

Three credit hours

*Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205.
May be taken concurrently with EDU 340*

Students will study the materials and teaching techniques applicable to teaching mathematics to students ages 8-14. A problem-solving approach will be emphasized. (F.E. - 25 hrs.)

PSY 315 CHILD DEVELOPMENT

Four credit hours

Prerequisites: PSY 110, or PSY 100 and PSY 101, or PSY 100 and PSY 205. This course may be taken to partially satisfy the general curriculum requirement in the social sciences.

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 325 ADOLESCENT DEVELOPMENT

Four credit hours

Prerequisites: PSY 100 and PSY 205, or PSY 100 and PSY 101, or PSY 110 and PSY 205, or PSY 315. This course may be taken to partially satisfy the general curriculum requirement in the social sciences.

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.

**EDU 474 INTRODUCTION TO STUDENTS WITH
MILD/MODERATE EDUCATIONAL NEEDS**

Three credit hours

*Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205.
May be taken concurrently with EDU 476*

This course is a study of historical and current definition, characteristics, and needs of students with Mild/Moderate Educational Needs (ages 5-21), and how they change through the lifespan. Focus will be on academic, behavioral, and social assessment and interventions based on current research and inclusive, co-teaching models. (F.E. - 20 hrs.)

**EDU 476 BEHAVIOR MANAGEMENT FOR STUDENTS WITH
MILD/MODERATE EDUCATIONAL NEEDS**

Two credit hours

*Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205.
May be taken concurrently with EDU 474*

This course is a study of classroom management approaches for learners ages 5-21, including behaviorist, psychodynamic, environmental, and biophysical models with their legal and ethical implications. Baseline data collection, token economies,

contracts and certificates, group processes, medical interventions, and classroom arrangements are discussed. (F.E. - 5 hrs.; 10 hrs. Clinical)

EDU 477 ASSESSMENT AND REMEDIATION STRATEGIES FOR STUDENTS WITH MILD/MODERATE EDUCATIONAL NEEDS *Three credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205, EDU 474, 476

This course is a study of the use of formal and informal diagnostic instruments used for planning individual instruction for students with mild/moderate educational needs. Remedial and compensatory strategies used to teach these individuals (ages 5-21) are also examined. (F.E. - 25 hrs.)

EDU 484 STUDENT TEACHING IN MILD/MODERATE EDUCATIONAL NEEDS *Ten credit hours*

Prerequisites: EDU 101, 102, 103, 104, 202, 201; PSY 100 (or PSY 110), PSY 205, EDU 474, 476, 477

This is a period of guided teaching of students with mild/moderate educational needs under the direction of a certificated/licensed special educator. Requests for student teaching assignments are limited to schools within a specified distance from Baldwin-Wallace College. (F.E. - 450 hrs.)

EDU 488 SENIOR SEMINAR *One credit hour*

Take concurrently with student teaching.

Students will discuss student issues and trends affecting the profession. Topics may include communication with parents, professional associations, and legal issues.

EDU 489 MULTICULTURAL SEMINAR *One credit hour*

Take concurrently with student teaching.

This course is designed to sensitize students to those cultural factors which influence education, develop an appreciation of cultural similarities and differences, create an awareness of the goals and methodologies of ethnic studies and multicultural education and develop skills in teaching the culturally different student.

All programs are under review by the State Department of Education and changes may occur.

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 linguistics offer students the opportunity to study the history of the English language, to review contemporary English in light of current linguistic approaches, and to learn about what language really is and about its role in human society. The major provides useful preparation for graduate school in English, 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): 41-44 (plus prerequisites as indicated).

I. Introductions to literary analysis and interpretation

Six credits (all of the following)

ENG 126 Introduction to Fiction

2 credits

ENG 127 Introduction to Poetry

2 credits

ENG 128 Introduction to Drama

2 credits

II. Studies in the literary traditions

Eight credits (two of the following)

ENG 241 Survey of British Literature I

4 credits

ENG 242 Survey of British Literature II

4 credits

ENG 250 Survey of American Literature

4 credits

ENG 280 Survey of World Literature

4 credits

III. Advanced studies in English

Seventeen-Twenty credits (five of the following)*

ENG 316 Studies in Literary History

4 credits (prerequisite required)

ENG 328 Studies in Major Authors

4 credits (prerequisite required)

ENG 335 Studies in World Literature

4 credits (prerequisite required)

ENG 336 Studies in Genres, Themes, or Modes

4 credits (prerequisite required)

ENG 463 Seminar

4 credits (prerequisite required)

*Students who have 6 hours of the ENG 131, 132, 133 sequence may count ENG 305, 306, 307 toward the 17-20 hours required in this section.

Because they designate inclusive categories rather than individual courses, ENG 316, 328, 335, 336 may be repeated when they cover different material. For example, ENG 328 Chaucer, ENG 328 Shakespeare, ENG 335 Oriental Literature, ENG 336 Romance as Genre, and ENG 336 American Literature and the Civil War would satisfy the "Advanced studies in English" requirement as would many other combinations of the five categories of upper level classes listed above.

ENGLISH MAJOR--cont'd next page

IV. Writing

ENG 131 Workshop in Exposition and Argument

Six credits (two of the following)

3 credits (Test placement or prerequisite required)

Required of all majors except those who have been exempted from the core curriculum writing requirement through ACT or SAT language scores. Students who have been exempted from ENG 131 because of their ACT or SAT score must take ENG 305 plus another writing class from those listed below to satisfy the writing course requirement for the major.

Choose one additional course from the following (3 credits):

ENG 132 Workshop in Journalism 3 credits (prerequisite required)

ENG 133 Workshop in Creative Writing 3 credits (prerequisite required)

ENG 305 Advanced Expository and Argumentative Writing 3 credits (prerequisite required)

ENG 306 Advanced Journalism 3 credits (prerequisite required)

ENG 307 Advanced Creative Writing 3 credits (prerequisite required)

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

V. Language Four credits (both of the following)

ENG 207 Introduction to Linguistics 2 credits

ENG 215 History of the English Language 2 credits (prerequisite required)

Note: For the Interdisciplinary Major in Communications for Continuing Education, see Communications, page 84.

English Minor in Writing

The English minor in writing must take a minimum of 15-16 credits in English including five of the following courses:

ENG 131 Workshop in Exposition and Argument 3 credits (test placement or prerequisite required)

ENG 132 Workshop in Journalism 3 credits (prerequisite required)

ENG 133 Workshop in Creative Writing 3 credits (prerequisite required)

ENG 213 General Semantics 3 credits (prerequisite required)

ENG 207 Introduction to Linguistics 2 credits

ENG 215 History of the English Language 2 credits (prerequisite required)

ENG 305 Advanced Expository and Argumentative Writing 3 credits (prerequisite required)

ENG 306 Advanced Journalism 3 credits (prerequisite required)

ENG 307 Advanced Creative Writing 3 credits (prerequisite required)

English Minor in Literature

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

Six credit hours (three of the following)

ENG 126 Introduction to Fiction 2 credits

ENG 127 Introduction to Poetry 2 credits

ENG 128 Introduction to Drama 2 credits

ENG 129 Introduction to Literature: Open Topic 2 credits

Four credits (one of the following)

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

Eight credits (two of the following)

Two literature courses at the 300, 400 level (prerequisites required)

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.

Course Descriptions**Lower-Level Courses****ENG 050 INDEPENDENT STUDY***One to four credit hours*

See Independent Study Program, Section II.

ENG 070 FIELD EXPERIENCE/INTERNSHIP*Credit hours to be arranged*

See Field Experience/Internship, Section II.

ENG 105 ENGLISH GRAMMAR*Three credit hours*

Prerequisite: Test Placement.

An intensive survey of the grammar of standard written English, taught by means of lectures and frequent exercises. May not be used to satisfy any core requirement.

ENG 111 COLLEGE COMPOSITION*Three credit hours*

Prerequisite: ENG 105 or test placement.

A first course in college-level writing, emphasizing such fundamentals as clarity, coherence, organization, grammatical and mechanical correctness, logic, and content.

ENG 126 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. Usually the course will require discussion and writing about the works read. Usually the course will be taught in the 8-week minimester format.

ENG 127 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. Usually the course will require discussion and writing about the poems read. Usually the course will be taught in the 8-week minimester format.

ENG 128 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. Usually the course will require discussion and writing about the plays read. Usually the course will be taught in the 8-week minimester format.

ENG 129 INTRODUCTION TO LITERATURE: OPEN TOPIC ***Two credit hours***

Readings in special topics such as science fiction, detective fiction, biography, autobiography, etc. The aim of the course is to provide understanding and appreciation of the genre or topic. This course can count toward the core fine arts requirement but may not substitute for the ENG 126, 127, 128 requirement for the English major.

ENG 131 WORKSHOP IN EXPOSITION AND ARGUMENT ***Three credit hours***

Prerequisite: ENG 111 or test placement.

Assignments in writing expository and argumentative prose with particular emphasis on content development.

ENG 132 WORKSHOP IN JOURNALISM ***Three credit hours***

Prerequisite: Students must have completed the college writing requirement (ENG 111, ENG 131, or exemption) before enrolling in ENG 132.

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 133 WORKSHOP IN CREATIVE WRITING ***Three credit hours***

Prerequisite: Students must have completed the college writing requirement (ENG 111, ENG 131, or exemption) plus ENG 126 for ENG 133-Fiction or ENG 127 for ENG 133-Poetry.

Assignments in writing poetry or fiction. Students who have taken ENG 133-Fiction may also take ENG 133-Poetry for credit and vice versa.

ENG 207 INTRODUCTION TO LINGUISTICS***Two credit hours***

An introduction to the discipline of linguistics. Areas studied include the role of language in human society; regional, social, and historical variations; childhood language acquisition; and the forms and structures of contemporary American English. No previous work in linguistics is required. The course will be taught in the 8-week minimester format.

ENG 213 GENERAL SEMANTICS***Three credit hours***

A study of the relationship of language, thought and behavior. Topics investigated will include the processes of induction, definition, abstraction and stereotyping. Attention will be divided between theory and the verbal habits of each student.

ENG 215 HISTORY OF THE ENGLISH LANGUAGE***Two credit hours***

Prerequisite: ENG 207.

This course surveys the development of the sounds, forms and structures of English from Anglo-Saxon times to the present, including consideration of current American English. The course will be taught in the 8-week minimester format.

ENG 241 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 242 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 250 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.

ENG 263 SEMINAR***Two to four credit hours***

Varied topics oriented to the non-major.

ENG 280 SURVEY OF WORLD LITERATURE***Four credit hours***

A study of selected classics that represent the growth and development of world literature from Ancient to Early Modern Times, read in their historical contexts. Varied topics.

Advanced Courses

The advanced courses listed below provide approaches to literature and language from a variety of significant viewpoints. They are intended primarily for majors and non-majors who have had courses in the 100 and 200 series. Students may enroll for advanced courses in literature only if they have had six hours of literature (ENG 126, 127, 128, or one of the former and one of ENG 241, 242, 250, 280, or the equivalent in transferred credits). Since the topics change from term to term, the courses may be repeated for credit.

**ENG 305 WORKSHOP IN ADVANCED EXPOSITORY
AND ARGUMENTATIVE WRITING*****Three credit hours***

Prerequisite: ENG 131.

An advanced course in expository and argumentative prose for students who have successfully completed ENG 131.

ENG 306 ADVANCED JOURNALISM***Three credit hours***

Prerequisite: ENG 132.

A study of different approaches and styles of journalistic writing in publications with a national distribution, with a focus on helping students to improve their own writing styles.

ENG 307 ADVANCED CREATIVE WRITING***Three credit hours***

Prerequisite: ENG 133.

Individualized and comprehensive assignments in a specialized form such as the short story, the poem or the play. May be repeated for credit in a different genre.

ENG 316 STUDIES IN LITERARY HISTORY *Four credit hours*

Prerequisite: Six hours of literature (ENG 126, 127, 128, or one of the former and one of ENG 241, 242, 250, 280, or the equivalent in transferred credits).

Courses offered under this number are designed to provide advanced study of specific periods in the history of British or American literature.

ENG 328 STUDIES OF MAJOR AUTHORS *Four credit hours*

Prerequisite: Six hours of literature (ENG 126, 127, 128, or one of the former and one of ENG 241, 242, 250, 280, or the equivalent in transferred credits).

Courses offered under this number concentrate on the work of a single major writer or of a small group of closely-allied writers.

ENG 335 STUDIES IN WORLD LITERATURE *Four credit hours*

Prerequisite: Six hours of literature (ENG 126, 127, 128, or one of the former and one of ENG 241, 242, 250, 280, or the equivalent in transferred credits).

A study of selected works in translation from the great literatures of the world.

ENG 336 STUDIES IN SPECIFIC GENRES, THEMES OR MODES *Four credit hours*

Prerequisite: Six hours of literature (ENG 126, 127, 128, or one of the former and one of ENG 241, 242, 250, 280, or the equivalent in transferred credits).

Courses offered under this number offer intensive study of the development of a single genre, such as the epic, novel or biography; or of a particular literary mode, such as satire or tragedy; or of a recurring theme as it can be traced in various eras and cultures.

ENG 350

See EDU 350. May not be counted toward “Advanced Studies in English” requirement.

ENG 463 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 arranged*

See Departmental Thesis/Project, Section II.

ENVIRONMENTAL STUDIES MINOR

The primary goal of the Environmental Studies Minor at Baldwin-Wallace College is to provide students with an interdisciplinary perspective of the relationship between humans and their environment. The minor combines coursework and practical experience. Students explore connections among the natural sciences, the social sciences and the humanities as they investigate the context in which environmental problems emerge. Completion of the minor should heighten the students' ability to contribute to the creation of sustainable human societies. The minor is especially recommended for students interested in pursuing careers or graduate work in environmentally related fields.

All students must earn a minimum of 18 semester hours distributed among the following requirements to complete the minor:

- Completion of *Humans and the Earth*, preferably in the freshman year--Three credits
- Completion of a capstone experience. This may consist of a senior seminar or an internship. Either option would be worth three credit hours.

The seminar would allow students to do in-depth research on a particular environmental problem. Presumably the research would culminate in a written report. Seminars would be organized by faculty with specific environmental interests.

Internships would allow students to gain practical work experience with an organization or business that regularly deals with environmental issues. Each internship must be approved by the Environmental Minor Committee and must involve a minimum of one semester's work equivalent to the work involved in a three credit hour course. Methods for evaluating the internship must be established through collaboration of the student, the Environmental Minor Committee, and the organization/business that provides the internship.

- A student wishing to declare an Environmental Studies Minor must meet with the director of the Environment Studies Minor, preferably no later than the end of the student's sophomore year to develop a plan for completing the minor's requirements. If the student intends to complete an internship, the plan should include a timetable for submitting an internship proposal to the Environmental Studies Committee and then carrying out the work for the internship.
- **Additional Coursework requirements--** In addition to the requirements described above, each student will be expected to complete a minimum of **six credits** of coursework in the natural sciences and **six credits** of coursework in the social sciences/humanities/business. The student must choose from among the following courses to satisfy these coursework requirements:

Natural Sciences

- | | |
|-----------|----------------------|
| BIO 111 | Field Biology |
| * BIO 313 | Ecology |
| * BIO 334 | Invertebrate Zoology |

ENVIRONMENTAL STUDIES MINOR--cont'd next page

- + CHM 200 Environmental Chemistry
- GEO 111 Dynamic Earth
- GEO 121 Man's Geographic Environment
- * FCS 413 Current Developments in Nutrition
- PHY 102 Energy and the Future

Social Sciences/Humanities

- * ECN 358 Environmental Economics
- * ECN 362 Economics of Developing Countries
- POL 205 Environmental Politics
- SOC 181 Cultural Anthropology
- REL 104 Theology of the Earth
- REL/BUS 263 Seminar: Green Business

* Courses with prerequisites.

+ Topic must be approved by Environmental Studies Minor Committee.

FAMILY AND CONSUMER SCIENCES MINOR

Through the study of Family and Consumer Sciences, students gain an understanding of the significance of the family in the development of the individual and society. Information from a variety of disciplines is synthesized into a unified body that includes nutrition, food and wellness, consumer education, personal and family resource management, parenting and human development. Students obtain knowledge and skills to make reasoned decisions about perennial problems facing individuals and families in daily living.

The Department of Family Consumer Sciences offers no majors.

Instead, students interested in the field may consult with Family and Consumer Sciences faculty and elect to build an alternate academic major (AAM) comprised of courses in this area along with another discipline or disciplines of their choice. A second option would be to choose from two available minors—Nutrition or Child and Family. Both minors support preparation for careers in social services and education of the public. The Nutrition minor may be of interest to students who wish to build upon a background in health and wellness promotion. Students pursuing careers pertaining to young children and families might benefit from the Child and Family minor. These minors are not designed to help the student meet all the prerequisites for graduate school in these areas. Students interested in graduate school should seek guidance from Family and Consumer Sciences faculty.

Nutrition Minor

FCS 070	Field Experience/Internship	1-2 credits
FCS 413	Current Developments in Nutrition	2 credits
CHM 111	General Chemistry I	4 credits
FCS 207	Nutrition in Daily Living	3 credits
FCS 263	Special Topic Seminar	1-3 credits
FCS 301	Nutrition in the Life Cycle	3 credits

Total Credits 14-17

Child and Family Minor

FCS 070 Field Experience/Internship	1 credits
FCS 216 Family Relations	3 credits
FCS 308 Child in the Family	3 credits
FCS 318 Parenting	3 credits
PSY 205 Developmental Psychology	3 credits
PSY 315 Child Development	4 credits

Total Credits **17**

Course Descriptions

FCS 050 INDEPENDENT STUDY

One to four credit hours

See Independent Study Program, Section II.

FCS 070 FIELD EXPERIENCE/INTERNSHIP

Hours to be arranged

Open to students who have completed at least two courses in Family and Consumer Sciences. Field Experience/Internship programs will be arranged in cooperation with related industries, businesses, and social service agencies in the area. Plans must be approved by a faculty advisor in the department who will supervise the activity. See Field Experience/Internship Program, Section II.

FCS 101 CLOTHING SELECTION

Two credit hours

Applies factors such as design elements/principles and ready-to-wear quality to the selection of clothing for personal use. Incorporates color theory, body type, plus socio-psychological needs and aesthetic factors.

FCS 102 FABRIC FUNDAMENTALS

Two credit hours

Study of how fabrics are created, beginning with fiber analysis, yarn creation and fabric structures through color, design and finish application. Relates textile technology to fabric performance, care and consumer satisfaction.

FCS 200 SCIENCE

Three 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.

FCS 201 PRINCIPLES OF FOOD SCIENCE

Four credit hours

An introduction to the basics of experimenting with food, this course includes an integration of nutrition concepts with techniques of food preparation and the study of scientific principles involved in working with food. Includes lecture and laboratory and requires no prior nutrition knowledge.

FCS 207 NUTRITION IN DAILY LIVING***Three credit hours***

An introduction to the study of basic nutrition including macro and micro nutrients. Course focuses on nutrition for healthy individuals throughout the stages of the life cycle with emphasis on personal diet planning.

FCS 209 NUTRITION***Three credit hours***

A study of the role of nutrition in enhancing the life and health of individuals. Covers basic concepts in nutrition such as functions of nutrients in the body, weight control, and controversies in the field of nutrition. Includes laboratory exercises and activities. Offered only through Weekend College.

FCS 211 APPLIED CLOTHING AND COSTUME DESIGN***Three credit hours***

Develops knowledge and skills in the application of design elements/principles into wearable art for personal use or theatrical productions. Incorporates use of commercial patterns and introduces basic clothing construction techniques to complete finished garments/costumes.

FCS 216 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.

FCS 218 CONSUMER ISSUES***Three credit hours***

Course involves the study of consumer issues affecting individuals and families. Focuses on consumer alternatives in the market place, consumer legislation, and the rights and responsibilities of the consumer.

FCS 263 SPECIAL TOPIC SEMINAR***One to three credit hours***

Special topics in Family and Consumer Sciences. May be taken more than once provided the topic is different. Nutrition topics provide core credit.

FCS 301 NUTRITION IN THE LIFE CYCLE***Three credit hours***

Prerequisite: FCS 207 or 209

Focuses on advanced concepts in nutrition with special attention to the biochemistry of nutrient utilization and nutritional needs during the life cycle. Includes laboratory exercises.

FCS 303 HOUSING***Three credit hours***

Focuses on family and individual residential housing in relation to human needs, society, and cultural norms. Planning, construction, financing, and governmental programs in housing will be explored along with related historical aspects and future technological developments for consumer living units.

FCS 308 CHILD IN THE FAMILY***Three credit hours****Prerequisite: Junior/Senior status or consent of instructor.*

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., child care centers, family day care, 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.

FCS 310 INTERIOR DESIGN***Three credit hours***

Introduction to historic and modern residential architecture and furniture in America. Planning interior spaces, coordinating color, materials and furniture selection, room arrangement, storage, textiles, lighting, and accessories, while applying the principles and elements of design with consideration for ergonomics, economic, and social factors.

FCS 318 PARENTING***Three credit hours****Prerequisite: Junior/Senior status or consent of instructor.*

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 child care facility.

FCS 413 CURRENT DEVELOPMENTS IN NUTRITION***Two credit hours****Prerequisite: FCS 207, or 209*

A study of current issues in nutrition and their implications for nutritional health. Emphasis on critical analysis of research in the field of nutrition.

FCS 463 SEMINAR***One to Three credit hours****Open to juniors and seniors.*

An advanced current topic in Family and Consumer Sciences is discussed. May be repeated for credit provided the topic is different.

FCS 491, 492 DEPARTMENT THESIS/PROJECT***Credit hours to be arranged***

See Departmental Thesis/ Project, Section II.

FOREIGN LANGUAGES & LITERATURES

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 33 credits beyond the 100-level courses. Certification to teach French is possible for students who also complete applicable requirements of the Division of Education .

Minimum credits required: 33 (plus prerequisites as indicated).

Required courses:

FRN 201 Intermediate French I	4 credits (prerequisite required)
FRN 202 Intermediate French II	4 credits (prerequisite required)
FRN 221 French Conversation	2 credits (prerequisite required)
FRN 275 Introduction to French Literature	4 credits (prerequisite required)
FRN 310 French Civilization I	3 credits (prerequisite required)
FRN 311 French Civilization II	3 credits (prerequisite required)
FRN 335 Advanced Composition & Conversation	4 credits (prerequisite required)
HUM 285 Introduction to Intercultural Communication	3 credits

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

FRN 375 Survey of French Literature I	3 credits (prerequisite required)
FRN 376 Survey of French Literature II	3 credits (prerequisite required)
FRN 463 Special Topics Seminar	3 credits (prerequisite required)

Minor

Students wishing to minor in French must complete a minimum of 17 credits beyond the 100-level courses, including FRN 201 and 202 (or advanced placement), FRN 221, FRN 275 and at least one course at the 300 level.

Course Descriptions

FRN 050 INDEPENDENT STUDY

One to three credit hours

See Independent Study Program, Section II.

FRN 101 ELEMENTARY FRENCH I

Four credit hours

Prerequisite: None. Students with more than two years of high school French must have special permission of the instructor to register for FRN 101.

The first course of an integrated year-long introduction to the French language, with emphasis on spoken and written French, appropriate for beginners.

FRN 102 ELEMENTARY FRENCH II**Four credit hours***Prerequisite: FRN 101 or equivalent.*

FRN 102 builds upon the language skills gained in FRN 101, and finishes the same textbook. This course may be an appropriate entry level for students who have had some French, but who are not yet ready for FRN 201.

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 units of solid high school French. Required of all French majors.*

A review of the fundamentals of French grammar with further development and practice in conversation, oral comprehension and composition.

FRN 202 INTERMEDIATE FRENCH II**Four credit hours***Prerequisite: FRN 201 or equivalent. Required of all French majors.*

A continuation of the review begun in FRN 201 expanded with readings of moderately difficult French texts.

FRN 221 FRENCH CONVERSATION**Two credit hours***Prerequisite: FRN 202 or equivalent. Required of all French majors.*

Intensive practice in the spoken idiom, developing fluency of expression and establishing basic conversational vocabulary. May be repeated for credit.

FRN 240 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. This course will normally be offered in the eight-week minimester format.*

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 275 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 310 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 311 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 335 ADVANCED COMPOSITION & CONVERSATION** *Four credit hours*
Prerequisite: FRN 202. Required of all French majors.
- Advanced work in French composition and stylistics with advanced oral practice.
- FRN 350 SPECIAL METHODS LANGUAGE TEACHING** *Three-four credit hours*
Required of all students seeking a license to teach.
- See EDU 350.
- FRN 375 SURVEY OF FRENCH LITERATURE I** *Three credit hours*
Prerequisite: FRN 275. Required of all French majors.
- A study of French literature from the Middle Ages through the 18th Century.
- FRN 376 SURVEY OF FRENCH LITERATURE II** *Three credit hours*
Prerequisite: FRN 275. Required of all French majors.
- A study of French literature of the 19th and 20th Centuries.
- FRN 463 SEMINAR** *Three credit hours*
Prerequisite: Advanced standing and permission of instructor.
- This seminar treats a specific genre, theme, author or topic in French literature or language. Students may take this course twice if different topics are offered.
- FLL 300 FRENCH LITERATURE IN TRANSLATION-
 19th CENTURY FRENCH NOVELS** *Three credit hours*
Prerequisite: None. Taught in English.
- The 19th Century is the Golden Age of the Novel in France. In this class students and the professor will discuss the major works produced in France during the 19th century starting from Romanticism and Realism and continuing into Naturalism in order to arrive at a possible definition of the novel as a literary genre. Reading assignments will include among other works Balzac's *Old Goriot* and Flaubert's *Madame Bovary*.

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.

Minimum credits required: 33 (plus prerequisites as indicated).

Required courses:

GER 201 Intermediate German I	4 credits (prerequisite required)
GER 202 Intermediate German II	4 credits (prerequisite required)
GER 221 German Conversation	2 credits (prerequisite required)
GER 275 Introduction to German Literature	4 credits (prerequisite required)
GER 310 German Civilization	3 credits (prerequisite required)
GER 335 Advanced Composition & Conversation	4 credits (prerequisite required)
HUM 285 Introduction to Intercultural Communications	3 credits

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

GER 375 Survey of German Literature I	3 credits (prerequisite required)
GER 376 Survey of German Literature II	3 credits (prerequisite required)
GER 463 Special Topics Seminar	3 credits (prerequisite required)

The remaining credits may be completed with any German courses above the 100 level.

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 275 and one 300 level course.

Course Descriptions

GER 050 INDEPENDENT STUDY

One to three 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.

The first course of an integrated year-long introduction to the German language, with emphasis on both spoken and written German, appropriate for beginners.

GER 102 ELEMENTARY GERMAN II***Four credit hours****Prerequisite: GER 101 or equivalent.*

GER 102 assumes some active knowledge of German and builds on the skills taught in GER 101, completing the textbook. This course may be an appropriate entry level for students who have had some previous German study, but are not yet ready for GER 201.

GER 201 INTERMEDIATE GERMAN I***Four credit hours****Prerequisite: GER 102 or equivalent. Required of all German majors. Appropriate entry point for most people who have had more than two years of solid high school German.*

A review of the fundamentals of German grammar with further development and practice in conversation, oral comprehension, reading and composition.

GER 202 INTERMEDIATE GERMAN II***Four credit hours****Prerequisite: GER 201 or equivalent. Required of all German majors.*

A completion of the grammar review started in 201 with continued development of skills in conversation and composition and an introduction to reading various authentic German texts.

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.

GER 240 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 will usually be offered in the eight week minimester format.

GER 250 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 260 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 and value orientations which determine the nature of business in Germany.

Offered in alternate years.

GER 275 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 375 and 376.

GER 310 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 beginning to modern times. Required of all German majors.

GER 335 ADVANCED COMPOSITION & 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.

GER 375 SURVEY OF GERMAN LITERATURE I *Three credit hours*

Prerequisite: GER 275 or permission of instructor.

This study of German literature will include works from the earliest periods to the beginning of the nineteenth century. GER 376 and 375 may be taken in any order.

GER 376 SURVEY OF GERMAN LITERATURE II *Three credit hours*

Prerequisite: GER 275 or permission of instructor.

A survey of German literature from Romanticism to the 20th century. GER 376 and 375 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 literature. Typical topics may include genre studies, specific authors and regional literature. Students may take the course twice if different topics are offered.

FLL 300 GERMAN CLASSICS IN TRANSLATION *Three-four credit hours*

Prerequisite: None. Taught in English.

Analysis and discussion of literary and intellectual trends in Germany as reflected in representative works of German literature from about 1750 through 1900; authors include Lessing, Goethe, Schiller, Heine and Keller.

**FLL 301 RECENT GERMAN LITERATURE
IN TRANSLATION**

Three-four credit hours

Prerequisite: None. Taught in English.

Analysis and discussion of intellectual and literary trends in German-speaking countries from the beginning of the twentieth century to the present; authors include Brecht, Kafka, Hesse and Mann.

FLL 310 SURVEY OF GERMAN FILM

Three-four credit hours

Prerequisite: None. Taught in English.

Intensive study and discussion of selected periods and themes in German film. This course may be repeated for credit, provided it covers a different subject matter.

FLL 320 GERMANY AND FASCISM

Three-four credit hours

Prerequisite: None. Taught in English.

Intensive study and discussion of selected authors dealing with Fascism in German literature. This course may be repeated for credit, provided it covers a different subject matter.

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.

Minimum credits required: 33 (plus prerequisites as indicated).

Required courses:

SPN 201 Intermediate Spanish I	4 credits (prerequisite required)
SPN 202 Intermediate Spanish II	4 credits (prerequisite required)
SPN 221 Spanish Conversation	2 credits (prerequisite required)
SPN 275 Introduction to Hispanic Literature	4 credits (prerequisite required)
SPN 310 Spanish Civilization	3 credits (prerequisite required)
SPN 311 Spanish-American Civilization	3 credits (prerequisite required)
SPN 335 Advanced Composition and Conversation	4 credits (prerequisite required)
HUM 285 Introduction to Intercultural Communication	3 credits

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

SPN 375 Survey of Spanish Literature	3 credits (prerequisite required)
SPN 376 Survey of Spanish-American Literature	3 credits (prerequisite required)
SPN 463 Special Topics Seminar	3 credits (prerequisite required)

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 275 and one 300-level course.

Course Descriptions

SPN 050 INDEPENDENT STUDY

One to three credit hours

See Independent Study Program, Section II.

SPN 101 ELEMENTARY SPANISH I

Four credit hours

Prerequisite: None. Students with more than two years of high school Spanish must have special permission of the instructor to register for SPN 101.

The first course of an integrated year-long introduction to the Spanish language, with emphasis on spoken and written Spanish, appropriate for beginners.

SPN 102 ELEMENTARY SPANISH II

Four credit hours

Prerequisite: SPN 101 or equivalent.

SPN 102 builds upon the language skills gained in SPN 101, and finishes the same textbook. This course may be an appropriate entry level for students who have had some Spanish, but who are not yet ready for SPN 201.

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.

A review of the fundamentals of Spanish grammar with continued development and practice in conversation, oral comprehension, reading and composition.

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 221 SPANISH CONVERSATION I

Two credit hours

Prerequisite: SPN 202 or consent of the instructor. Required of all Spanish majors.

These courses focus on the development of oral fluency and vocabulary. May be taken in any order.

SPN 240 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 250 TECHNIQUES OF SPANISH TRANSLATION *Three credit hours*

Prerequisite: SPN 202 and 221 or equivalent.

A brief introduction to theories of translation followed by practical experience translating various texts.

SPN 260 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 275 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 310 SPANISH CIVILIZATION *Three credit hours*

Prerequisite: SPN 202 or equivalent.

A study of the historical and social development of Spanish culture and civilization.

SPN 311 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 335 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 375 SURVEY OF SPANISH LITERATURE *Three credit hours*

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

This seminar treats a specific topic in Spanish literature. This course may be taken twice if different topics are offered.

Humanities Curriculum

HUM 285 INTRODUCTION TO INTERCULTURAL COMMUNICATION *Three credit hours*
Prerequisite: None.

This course, taught in English by members of the Foreign Language faculty, will analyze difficulties in communicating across cultural boundaries, misunderstandings arising from cultural differences, and techniques for living and working successfully in an 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. Minimester format.

HUM 287 SEMINAR IN EUROPE I: ON-CAMPUS PROGRAM *Two credit hours*
See Seminar in Europe, Section II.

HUM 288 SEMINAR IN EUROPE II: THE EUROPEAN EXPERIENCE *Six credit hours*
See Seminar in Europe, Section II.

HUM 278 SEMINAR IN THE MIDDLE EAST I: ON CAMPUS *Six credit hours*
See Seminar in the Middle East, Section II.

HUM 279 SEMINAR IN THE MIDDLE EAST II: THE OVERSEAS EXPERIENCE *Six credit hours*
See Seminar in the Middle East, Section II.

GEOLOGY & GEOGRAPHY MINOR

The goals of the geology and geography 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 problems.

The Department of Geology and Geography offers no major.

A minor shall consist of a minimum of 15 credit hours and must include GEO 111, 112, and 232. The additional three hours must be selected from the geology/geography courses listed below.

A minor in geology is offered to meet the needs of those preparing to teach earth science in primary and secondary schools, those who are simply interested in learning more about the earth sciences as a part of a liberal arts education, and to provide a foundation for those who wish to do further work in geology, geography, or environmental science.

Four laboratory rooms and a classroom provide ample space to accommodate the needs of the faculty and students. Labs are well-equipped with extensive rock, mineral, fossil, and map collections, weather instruments, globes, and polarizing microscopes.

Course Descriptions

GEO 104 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 class sessions and one lab per week.

GEO 111 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, continental drift) and their results as reflected in topography and earth structure. Three class sessions and one lab per week. One field trip required.

GEO 112 EARTH HISTORY & PLATE TECTONICS

Four credit hours

An introduction to the geologic history of the earth, including the history of the large scale crustal movements (plate tectonics) and the evolutionary development of prehistoric organisms which inhabited the earth. Three class sessions and one lab per week. One field trip required.

GEO 121 PHYSICAL GEOGRAPHY***Four credit hours****(Formerly listed as Man's Geographic Environment)*

An introduction to some of the physical features of the earth and their significance in relation to many of the activities and problems of humans in the modern world. This course serves as an introduction to the study of geography as a discipline. Three class sessions and one lab per week.

GEO 163 SEMINAR***One credit hour***

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 210 WORLD REGIONAL GEOGRAPHY***Three credit hours***

This course examines the physical, cultural, economic and political environments of the major geographic realms of the world.

GEO 214 POLITICAL GEOGRAPHY***Three credit hours***

Political geography concerns area and political process. It examines variations in administrative, political, judicial, and electoral institutions at various scales in both qualitative and quantitative methodologies, and through time. May not be taken for credit if POL 214 was already taken.

GEO 232 ELEMENTS OF MINERALOGY***Four credit hours****Prerequisite: GEO 104 or GEO 111 or consent of 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 class sessions and one lab per week.

GERONTOLOGY

A Certificate Program in Gerontology/Minor in Gerontology

Gerontology is the study of the aging process. The need for programs and facilities for the elderly will continue to grow over the foreseeable future. Staffing and management of those facilities represent expanding career fields. The Gerontology certificate is designed for those working with the elderly or planning careers in the field of gerontology.

The certificate is appropriate for:

1. Persons who are seeking degrees and wish to specialize in gerontology;
2. persons who have degrees but want to add a specialization in gerontology; and
3. persons not seeking or holding a degree who wish to develop non-degree credentials in gerontology.

The Program

The certificate program includes a multidisciplinary core of courses covering the sociological, psychological and biological aspects of aging. Additional courses are recommended for professionals working within a social service environment and for those interested in the management of not-for-profit agencies.

The certificate program conforms to the recommended standards and guidelines of the Association for Gerontology in Higher Education.

To earn a Certificate in Gerontology or a Minor in Gerontology individuals must complete 19-23 credit hours in the following courses:

Residency Requirement:

More than half the courses must be completed at Baldwin-Wallace College.

Prerequisites:

Note: SOC 100 and PSY 110 are required of all enrolled in this program. These courses are to be completed before taking other required courses in that department as indicated below.

Required Courses:

SOC 344 Aging and Society	3 credits
SOC 345 Medical Sociology	3 credits
SOC 070 Practicum in Gerontology	1-3 credits

Choice of one:

SOC 250 Topics in Sociology: Death and Dying	3 credits
SOC 350 Topics in Sociology: Policies on Aging OR	3 credits
additional SOC 250 or 350 courses with a gerontology orientation	

Choice of one:

PSY 205 Developmental Psychology	3 credits
PSY 335 Adult Development and Aging	4 credits

Choice of One:

BIO 203 Human Anatomy and Physiology (Day)	4 credits
BIO 206 Your Body: Past, Present and Future (Weekend)	3 credits

Choice of One:

SOC 106 Organizations (Day)	3 credits
FCS 207 Nutrition and Daily Living (Day)	3 credits
FCS 209 Nutrition (Weekend)	3 credits

Students entering the field of Gerontology would find it advantageous to select additional elective courses from the following concentrations.

Recommended Classes for Social Service Concentration

SOC 212 Families, Couples and Singles	3 credits
SOC 280 Research Methods	4 credits
SOC 281 SPSS: Data Analysis in the Social Sciences	4 credits
SOC 301 Class Status and Power	3 credits
SOS 303 Urban and Community Life	4 credits
BUS 208 Introduction to Business	3 credits

Recommended Classes for Not-for-Profit Concentration

SOC 106 Organizations	3 credits
SOC 201 Social Problems	4 credits
SOC 280 Research Methods	4 credits
SOC 281 SPSS Data Analysis in the Social Sciences	4 credits
BUS 208 Introduction to Business	3 credits
BUS 305 Principles of Management	4 credits

The certificate requirements and course content may be altered by the Minor in Aging Studies Committee. If you have any questions about course equivalencies or substitutions, please contact the Department of Sociology at 440-826-2161.

Note: It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency requirement of the certificate program. In order to receive a certificate, the student must fill out a Certificate Program Completion Application before the last semester of attendance.

HEALTH & 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. All courses and programs of study are open to men and women.

HPE CORE CURRICULUM REQUIREMENTS. To satisfy the health and physical education core requirement of the College, students must complete two semester hours of credit from HPE 121, 122, 123, 131, 132, 133, 134. Students may select any of the activities and technique courses offered. However, no activity may be repeated for credit except at a more advanced level. The total of two semester credits may come from any combination of one-half and one credit hour courses. Students who have individual needs or are physically challenged may confer with HPE faculty to discuss selection of appropriate courses. Among objectives for the required instructional program of activity and technique courses are the following:

The development of an optimal level of physical fitness.

The development of motor abilities that contribute to skill, proficiency, ease, and grace in the control of one's body.

The development of leisure-time recreational habits, skills, and attitudes through which individuals may secure release from tensions and provide opportunities for the enrichment of their existence.

The development of desirable social attitudes and democratic principles of living through participation in physical activities.

The development of an appreciation of the art and science of human movement both as a participant and as a spectator.

The development of essential health habits, health knowledge, and health attitudes.

FINE ARTS CORE CURRICULUM. Courses offered by the HPE Division that may be applied to the fine arts requirement of the core include HPE 214, 217, 331, 333, and selected dance technique courses from HPE 131, 132, 133, 134. The one-half and one credit courses in dance technique may be designated by the student as applicable to either the fine arts or the HPE core requirement; the same credit may not apply to both.

DIVISIONAL MAJORS AND MINORS. For students planning to major in HPE, 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 health and physical education. Majors are offered in physical education (concentrations in multi-age teaching, sport management, and dance), sports medicine/exercise science (concentrations in athletic training, pre-physical therapy, exercise physiology, and fitness management), and health promotion and education. In physical education and in sports medicine/exercise science, students must select a concentration. Academic minors are designed to supplement any academic major. Minors are offered in health promotion and education, athletic coaching, dance, and recreation. 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. Students must select one of the following three concentrations for completion of this major:

Multi-Age Teaching Concentration

Computer Code: HPET

This major concentration 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 concentration 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 concentration are expected to be competent in a number of sport and fitness skills.

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

Required courses:

BIO 203	Human Anatomy and Physiology I	4 credits
BIO 204	Human Anatomy and Physiology II	3 credits (Prerequisite required)
HPE 201	Introduction to HPE	1 credit
HPE 205	First Aid	2 credits
HPE 209	Techniques of Measurement & Evaluation	2 credits
HPE 215	Dance Forms	2 credits
HPE 231	Physical Education for Children	2 credits
HPE 232	Physical Education for the Middle Grades	2 credits
HPE 233	Creative Dance & Rhythmics for Children	2 credits
HPE 302	Physiology of Exercise	3 credits (Prerequisite required)
HPE 311	Techniques of Instruction	3 credits (Prerequisite required)
HPE 321	Adapted Physical Education	2 credits
HPE 322	Outdoor & Community Recreation	2 credits
HPE 340	Program Organization & Administration	3 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 (Prerequisite required)

At least 10 activity courses from HPE 121, 122, 123, 131, 132, 133, 134 are required in the following five designated areas: Area I, Sports and Games: minimum of 3 courses from badminton, basketball, soccer/speedball, softball, tennis, volleyball; Area II, Lifetime/Leisure: minimum of 2 courses from archery, bowling, camping, canoeing, cycling, golf, racquetball, with at least 1 of the 2 courses from camping, canoeing, cycling; Area III, Gymnastics/Tumbling: minimum of 1 course from tumbling/free exercise, apparatus; Area IV, Swimming: minimum of 1 course from swimming; students may satisfy the Area IV activity requirement by current participation on the intercollegiate swim team or current certification in American Red Cross Lifeguard Training or Water Safety Instructor; note that students who choose the latter option must still complete the 10 activity course minimum; Area V, Physical Fitness: minimum of 3 courses specifically designated as weight training, aerobics, and either walk, jog, run or fitness.

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites.

Sport Management Concentration

Computer Code: HPEM

This major concentration is designed to focus on aspects of management and organization of programs in sport and/or related areas. It is expected that students choosing this major concentration will be active participants in the Sport/Dance/Arts Management Program that includes study in business administration as well as field experience. For further information on the Sport/Dance/Arts Management Program, see page 249.

Minimum credits required: 32 (plus prerequisites as designated).

Required courses:

HPE 201	Introduction to HPE	1 credit
HPE 205	First Aid	2 credits
HPE 322	Outdoor & Community Recreation	2 credits
HPE 340	Program Organization & Administration	3 credits
HPE 343	Special Topics in Sport Management	2 credits (Prerequisite required)
HPE 344	Sport Management & Media Relations	2 credits (Prerequisite required)
HPE 345	Fitness Program Management	2 credits
HPE 404	Principles of Sport and Physical Education	2 credits

At least two courses from the following four courses:

BIO 203	Human Anatomy & Physiology I	4 credits
BIO 204	Human Anatomy & Physiology II	3 credits (Prerequisite required)
HPE 302	Physiology of Exercise	3 credits (Prerequisite required)
HPE 451	Kinesiology/Biomechanics	3 credits (Prerequisite required)

At least one course from the following three courses:

HPE 321	Adapted Physical Education	2 credits
HPE 406	Psychology of Coaching	2 credits
HPE 423	Exercise Prescription/Special Populations	3 credits (Prerequisite required)

At least two credits from HPE 121, 122, 123, 131, 132, 133, 134

Additional elective credits are needed to fulfill the required 32 credits for this major concentration. The additional elective credits may come from HPE-prefix courses, SDA 201, SDA 070. No more than two additional .5 or 1 credit activity or technique courses may be used to fulfill the elective credits. HPE 070 and HPE 470 are not applicable to the minimum 32 credits. Elective credits should relate to the student's area of interest in sport management.

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites.

Dance Concentration

Computer Code: HPED

This major concentration is designed to provide a general dance foundation with focus on theory, technique, and study of the creative process. Students completing this concentration are expected to be active participants in the Sport/Dance/Arts Management Program and/or to supplement the concentration with a second academic major and/or minor. For further information on the Sport/Dance/Arts Management Program, see page 249.

Minimum credits required: 32 (plus prerequisites as designated).

Required courses:

HPE 201	Introduction to HPE	1 credit
HPE 205	First Aid	2 credits
HPE 214	Dance History	3 credits
HPE 215	Dance Forms	2 credits
HPE 233	Creative Dance & Rhythmics for Children	2 credits
HPE 331	Improvisation & Choreography	2 credits
HPE 332	Dance Production & Performance	2 credits
HPE 333	Dance in the Theater	3 credits

At least two courses from:

BIO 203	Human Anatomy and Physiology I	4 credits
BIO 204	Human Anatomy and Physiology II	3 credits (Prerequisite required)
HPE 302	Physiology of Exercise	3 credits (Prerequisite required)
HPE 451	Kinesiology/Biomechanics	3 credits (Prerequisite required)

At least 7 total semester credits in dance technique from HPE 131, 132, 133, 134

HPE 050	Senior Performance	1 credit
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Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites.

SPORTS MEDICINE/EXERCISE SCIENCE MAJOR. Students must select one of the following four concentrations for completion of this major:

Athletic Training Concentration

Computer Code: HPEA

This major concentration is designed to provide requirements leading to licensure and certification as an athletic trainer. Curriculum meets State of Ohio and NATA guidelines. To qualify for the NATA licensing examination, students must complete the athletic training concentration as well as 1500 clock hours of internship in athletic training under the supervision of a licensed athletic trainer employed by the College; a minimum of eight credit hours in HPE 470 must be elected as part of the 1500 hours of internship. The licensure examination is taken during the senior year. HPE 470 credits are not applicable to the required credits for completion of this or any HPE major.

Minimum required credits: 38 (plus prerequisites as indicated).

Required courses:

HPE 201	Introduction to HPE	1 credit
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ATHLETIC TRAINING CONCENTRATION--Cont'd. next page

HPE 202	Basic Athletic Training	2 credits
HPE 205	First Aid	2 credits
HPE 221	Personal Health	3 credits
HPE 302	Physiology of Exercise	3 credits (Prerequisite required)
HPE 305	Advanced Athletic Training	2 credits (Prerequisite required)
HPE 306	Therapeutic Modalities	3 credits (Prerequisite required)
HPE 321	Adapted Physical Education	2 credits
HPE 451	Kinesiology/Biomechanics	3 credits (Prerequisite required)

At least two credits from HPE 121, 122, 123, 131, 132, 133, 134

BIO 203	Human Anatomy & Physiology I	4 credits
BIO 204	Human Anatomy & Physiology II	3 credits (Prerequisite required)
FCS 207	Nutrition in Daily Living	3 credits
PSY 100	Applications of Psychology	3 credits

At least one course from:

PSY 205	Developmental Psychology	3 credits (Prerequisite required)
PSY 302	Abnormal Psychology	4 credits (Prerequisite required)
HPE 406	Psychology of Coaching	2 credits

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites.

Pre-Physical Therapy Concentration

Computer Code: HPEP

This major concentration is designed to provide a strong foundation in the fundamental principles of science and exercise science. Concentration offers the preparation necessary for the student to continue study toward a degree in physical therapy.

Minimum credits required: 57 (plus prerequisites as designated).

Required courses:

HPE 201	Introduction to HPE	1 credit
HPE 202	Basic Athletic Training	2 credits
HPE 205	First Aid	2 credits
HPE 209	Techniques of Measurement & Evaluation	2 credits
HPE 302	Physiology of Exercise	3 credits (Prerequisite required)
HPE 303	Health/Physical Fitness Assessment Techniques	2 credits (Prerequisite required)
HPE 305	Advanced Athletic Training	3 credits (Prerequisite required)
HPE 321	Adapted Physical Education	2 credits
HPE 451	Kinesiology/Biomechanics	3 credits (Prerequisite required)

At least two credits from HPE 121, 122, 123, 131, 132, 133, 134

BIO 203	Human Anatomy & Physiology I	4 credits
BIO 204	Human Anatomy & Physiology II	3 credits (Prerequisite required)
BIO 112	Principles of Biology	3 credits
BIO 114	General Zoology	3 credits (Prerequisite required)
CHM 111	General Chemistry I	4 credits
CHM 111L	Chemistry I Lab	.5 credits
CHM 112	General Chemistry II	4 credits (Prerequisite required)

PRE-PHYSICAL THERAPY CONCENTRATION--Cont'd. next page

CHM 112L Chemistry II Lab	.5 credits
PHY 131 General Physics I	5 credits
PHY 132 General Physics II	5 credits (Prerequisite required)

At least two courses from:

BIO 331 Vertebrate Embryology	2 credits (Prerequisite required)
BIO 311 Genetics	4 credits (Prerequisite required)
BIO 312 Microbiology	4 credits (Prerequisite required)
BIO 332 Histology	2 credits (Prerequisite required)

Students planning to pursue a degree in physical therapy should also take: PSY 279 or ECN 279, PSY 100, 205, or 302, SOC 100, MTH 140 or 141. All pre-physical therapy students should also complete internship(s) in a physical therapy program (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.

Exercise Physiology Concentration

Computer Code: HPEX

This major concentration is designed to focus on the content areas of sports medicine and exercise science as preparation for graduate study in exercise physiology.

Minimum credits required: 54 (plus prerequisites as designated).

Required courses:

HPE 201 Introduction to HPE	1 credit
HPE 202 Basic Athletic Training	2 credits
HPE 205 First Aid	2 credits
HPE 209 Techniques of Measurement & Evaluation	2 credits
HPE 302 Physiology of Exercise	3 credits (Prerequisite required)
HPE 303 Health/Physical Fitness Assessment Techniques	2 credits (Prerequisite required)
HPE 345 Fitness Program Management	2 credits
HPE 352 Motor Learning	3 credits
HPE 423 Exercise Prescription for Special Populations	3 credits (Prerequisite required)
HPE 451 Kinesiology/Biomechanics	3 credits (Prerequisite required)

At least two credits from HPE 121, 122, 123, 131, 132, 133, 134

BIO 203 Human Anatomy & Physiology I	4 credits
BIO 204 Human Anatomy & Physiology II	3 credits (Prerequisite required)
CHM 111 General Chemistry I	4 credits
CHM 111L Chemistry I Lab	.5 credits
CHM 112 General Chemistry II	4 credits (Prerequisite required)
CHM 112L Chemistry II Lab	.5 credits
CHM 251 Organic Chemistry I	4 credits (Prerequisite required)
CHM 251L Organic I Lab	.5 credits
CHM 252 Organic Chemistry II	4 credits (Prerequisite required)
CHM 252L Organic II Lab	.5 credits
CHM 311 Biochemistry	3 credits (Prerequisite required)
CHM 311L Biochemistry Lab	1 credit

EXERCISE PHYSIOLOGY--cont'd on next page

Highly recommended: CSC 121 or computer competency.

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites.

Fitness Management Concentration

Computer Code: HPEF

This major concentration is designed to focus on content areas of exercise science and physical education as related to management and organization of corporate, community, or commercial fitness programs. Students completing this concentration are expected to be active participants in the Sport/Dance/Arts Management Program or are recommended to supplement the concentration with a second academic major and/or minor.

Minimum credits required: 40 (plus prerequisites as designated).

Required courses:

HPE 201	Introduction to HPE	1 credit
HPE 202	Basic Athletic Training	2 credits
HPE 205	First Aid	2 credits
HPE 209	Techniques of Measurement & Evaluation	2 credits
HPE 221	Personal Health	3 credits
HPE 302	Physiology of Exercise	3 credits (Prerequisite required)
HPE 303	Health/Physical Fitness Assessment Techniques	2 credits (Prerequisite required)
HPE 321	Adapted Physical Education	2 credits
HPE 340	Program Organization and Administration	3 credits
HPE 345	Fitness Program Management	2 credits
HPE 352	Motor Learning	3 credits
HPE 423	Exercise Prescription for Special Populations	3 credits (Prerequisite required)
HPE 451	Kinesiology/Biomechanics	3 credits (Prerequisite required)

At least two credits from HPE 121, 122, 123, 131, 132, 133, 134

BIO 203	Human Anatomy & Physiology I	4 credits
BIO 204	Human Anatomy & Physiology II	3 credits (Prerequisite required)

Highly recommended: CSC 121 or equivalent computer competency.

Courses required for the major do not necessarily need to be taken in the sequence listed unless as specified by course prerequisites.

Health Promotion and Education Concentration

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. (See Division of Education, page 101.)

HEALTH PROMOTION AND EDUCATION MAJOR--Cont'd next page

Minimum credits required: 36 (plus prerequisites as designated).

Required courses:

HPE 205	First Aid	2 credits
HPE 221	Personal Health	3 credits
HPE 222	Community Health	3 credits
HPE 312	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	2 credits
HPE 424	Human Sexuality Education	2 credits
FCS 207	Nutrition for Daily Living	3 credits
BIO 333	Physiology	4 credits (Prerequisite required)

Completion of both BIO 203 and BIO 204 may substitute for BIO 333.

For the interdisciplinary content requirement for the major, one of the following:

PSY 302	Abnormal Psychology	4 credits (Prerequisite required)
SOC 201	Social Problems	4 credits
SOC 212	Families, Couples	3 credits
FCS 216	Family Relations	3 credits

Electives to fulfill required 36 credits for the completion of major from the following:

HPE 263	Special Topic Seminar approved for Health Promotion/Education	
HPE 363	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 (Prerequisite required)
SOC 344	Aging OR SOC 345 Medical Sociology	3 credits
PSY 325	Adolescent Psychology OR PSY 304 Personality	4 credits
FCS 218	Consumer Issues OR FCS 318 Parenting	3 credits
BIO 312	Microbiology	4 credits (Prerequisite required)

PSY 302, SOC 201, SOC 212, or FCS 216 (See above)

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.

Minors

The Division offers the following four academic minors:

Health Promotion and Education Minor (24 credit hours). Required courses: HPE 205, 221, 222, 312, 315, 424; a minimum of 10 credit hours must be selected from HPE 316, 318, HPE 302 or HPE 423. HPE 263 or 463 as approved for the minor, SOC 201, SOC 344 or SOC 345, SOC 212 or FCS 216, 207, 218, or 318, PSY 302, PSY 325, or PSY 304, BIO 203, BIO 204 or BIO 333, BIO 312. The health promotion and education minor does not lead to teacher certification; only the major leads to teacher certification. The minor supports the preparation of students for social services and public education careers, especially where health promotion and disease prevention are practiced.

Athletic Coaching Minor (17 credit hours). **Required courses:** HPE 202, 205, 340, 406, two courses from HPE 327, and a one-semester credit course in either weight training or physical fitness. Recommended electives include HPE 302, 343, 352, 451, FCS 207. Courses chosen other than the recommended electives must be with the approval of an advisor in the HPE Division. To fulfill this minor the student must also participate in one intercollegiate sport season or elect up to two semester credits in HPE 070, an approved coaching field experience.

Dance Minor (15 credit hours). **Required courses:** HPE 214, 331, 332, 333; at least 5 semester credits of dance technique from HPE 131, 132, 133, 134. Recommended: BIO 203 and BIO 204 and two years of participation in recommended dance activities.

Recreation Minor (17 credit hours). **Required courses:** HPE 205, 215, 322, 340; at least eight credits from HPE 231 or 232, HPE 321, 345, 423, BUS 305, SOC 303, BIO 111, SPC 207 or SPC 306. Up to but no more than three credits in HPE 070, approved field experience in recreation, may be applied to the minimum credits required for the minor.

SPORT/DANCE/ARTS MANAGEMENT PROGRAM. HPE students participating in the S/D/A Management Program must pursue the sport management concentration, fitness management concentration, or dance concentration. S/D/A Program requirements also include the completion of a second major in business administration or a minor in business management and organization. The double major or major-minor combination is supplemented by SDA 201, SDA 401, and SDA 070, field experience. See S/D/A Program for further details, page 249.

Course Descriptions

HPE 050 INDEPENDENT STUDY

Credit hours to be arranged

See Independent Study Program, Section II.

HPE 070 FIELD EXPERIENCE/INTERNSHIP

One-half to one credit hour

See Field Experience/Internship Program, Section II.

HPE 121, 122, 123, 131, 132, 133, 134 PHYSICAL ACTIVITIES *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 171 BASIC STAGE MOVEMENT

Two credit hours

Taught interdepartmentally with the Department of Speech Communication and Theater. Course deals with the use of organized experiences to establish an understanding of movement and its relationship to the individual. It also includes application of movement technique to group experiences as related to theater arts. A laboratory period is included. Credits are not applicable to any HPE major or minor.

HPE 201 INTRODUCTION TO HPE*One credit hour*

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 BASIC ATHLETIC TRAINING*Two credit hours*

The introductory course in athletic training covers the care of athletic injuries with emphasis on practical aspects of preventative taping, injury assessment and treatment. Attention is also given to the duties of the athletic trainer and the administration of the training program.

HPE 205 FIRST AID & SAFETY EDUCATION*Two credit hours*

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. Include building an awareness of accident problems and ways to prevent potential accidents in the home, school, industrial or recreational environment.

HPE 209 TECHNIQUES OF MEASUREMENT AND EVALUATION *Two credit hours*

A study of the measurement process and the tools of scientific measurement available in physical education and sports medicine. The statistical treatment of data is also studied.

HPE 214 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.

HPE 215 DANCE FORMS*Two credit hours*

A course focusing on the development of skills in the presentation of a variety of dance forms and rhythmic activities appropriate for middle school to young adult learners and grades four through twelve in the physical education program. Forms studied will include but not be limited to folk, square, social and line dance. Other dance and rhythmic activities may be introduced as appropriate to the study of the basic application of teaching methods and the role of rhythmic activities in a school-based physical education program. May be offered less frequently than once a year.

HPE 217 LOOKING AT DANCE*Two credit hours*

Course designed especially for Weekend College 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. 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.

HPE 221 PERSONAL HEALTH

Three 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 222 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 ACHIEVING WELLNESS: METHODS OF PERSONAL DEVELOPMENT

Three credit hours

A study of the interdisciplinary aspect of wellness through a team-teaching approach. Among topics included are nutrition, mind-body harmony, physical activity, life stress and substance abuse. Emphasis will be given to the application of information to students' career and life experiences via lectures, discussions, in-class activity, and a "well-lifestyle" project. Course designed especially for Weekend College.

HPE 231 PHYSICAL EDUCATION FOR CHILDREN: PREKINDERGARTEN THROUGH EARLY CHILDHOOD

Two credit hours

A study of the characteristics of children ages three through eight and prekindergarten through grade three with implications for the selection, adaptation, and teaching of appropriate movement activities. The focus of the course is on the understanding of such concepts as basic movement, movement exploration, perceptual motor skills, developmental movement, and the integration of movement activities into other areas of the early childhood school curriculum.

HPE 232 PHYSICAL EDUCATION FOR THE MIDDLE GRADES (4-9)

Two credit hours

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 CREATIVE DANCE & RHYTHMICS FOR CHILDREN *Two credit hours*

A study of creative basic movement, fundamental dance forms, selection of appropriate materials and total rhythmic development for early childhood. Focus is on choosing

and presenting dance material appropriate for learners who are ages three through eight and attending prekindergarten through grade three.

HPE 263 SPECIAL TOPIC SEMINAR

Credits to be arranged

HPE 299 EXPERIMENTAL COURSE

Credits to be arranged

HPE 302 PHYSIOLOGY OF EXERCISE

Three credit hours

Prerequisite: BIO 203 and BIO 204

A study of the human body's responses to the stress of physical exercise. Topics covered include metabolic, neuromuscular, cardiovascular and pulmonary adjustments to acute and chronic exercise.

**HPE 303 HEALTH AND PHYSICAL FITNESS
ASSESSMENT TECHNIQUES**

Two credit hours

Prerequisite: BIO 203 and BIO 204

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 ADVANCED ATHLETIC TRAINING

Two credit hours

Prerequisite: HPE 202

This course takes a clinical approach to athletic training. Advanced methods of injury evaluation, treatment and rehabilitation are presented and the student will be involved in case studies of injured athletes. The use of therapeutic modalities will also be included.

HPE 306 THERAPEUTIC MODALITIES

Three credit hours

Prerequisite: HPE 202

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 311 TECHNIQUES OF INSTRUCTION

Three credit hours

Prerequisite: Junior standing; activity course or skill proficiency in volleyball, racquetball, badminton, tennis, and golf.

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 312 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 historical 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

Two credit hours

A study of the various teaching strategies effective in health promotion, featuring a survey of facilitation methodology and skills, and a look at the teaching behaviors conducive to learner achievement in health education.

HPE 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 322 OUTDOOR & COMMUNITY RECREATION

Two credit hours

An analysis of the outdoor recreation needs and opportunities and a survey of public, private and commercial recreation programming. Some emphasis is given to the value of recreational and leisure time pursuits, with a look at career opportunities in the recreation professions.

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 331 IMPROVISATION & CHOREOGRAPHY

Two credit hours

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.

HPE 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.

HPE 333 DANCE IN THE MUSICAL THEATER

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. Required of musical theater majors. Applicable to the fine arts requirement of the College core.

HPE 340 PROGRAM ORGANIZATION & ADMINISTRATION

Three credit hours

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 SPECIAL TOPICS IN SPORT MANAGEMENT

Two credit hours

Prerequisite: SDA 201 or SDA Coordinator approval.

Course explores a variety of topics such as sport as a business, legal aspects of sport, sport marketing and promotion, sport and its relationship to television and other electronic media and events management.

HPE 344 SPORT MANAGEMENT & MEDIA RELATIONS

Two credit hours

Prerequisite: SDA 201 or SDA Coordinator approval.

Content focuses on print and broadcast media, sports journalism, public relations responsibilities of coaches and athletic directors and the role of the sports information director.

HPE 345 FITNESS PROGRAM MANAGEMENT

Two credit hours

Designed for students with an interest in developing and managing fitness and wellness programs in the corporate, community, or commercial fitness setting; content focuses on theoretical and practical aspects of fitness management.

HPE 347 HISTORICAL, PHILOSOPHICAL, AND CURRICULAR FOUNDATIONS OF PHYSICAL EDUCATION

Three credit hours

A course designed to study the philosophy, history, and goals involved in the physical education profession and how this knowledge forms the basis for the study of curriculum development in physical education programs designed for learners from ages three through twenty-one and attending prekindergarten through grade twelve in school-based programs.

HPE 352 MOTOR LEARNING & DEVELOPMENTAL MOVEMENT

Three credit hours

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 404 PRINCIPLES OF SPORT AND PHYSICAL EDUCATION *Two credit hours*

The focus of this course is an exploration of the forces that are significant in the formulation of policies, the development of procedures, the determination of content and the selection of instructional methods for programs of sport and physical education.

HPE 406 PSYCHOLOGY OF COACHING *Two credit hours*

Study of the nature and responsibilities of the coaching profession, including the psychological aspect of teaching sports and motivating individuals and teams. General coaching organization and staff training is included.

HPE 423 EXERCISE PRESCRIPTION FOR SPECIAL POPULATIONS *Three credit hours*

Prerequisite: BIO 203 and BIO 204; HPE 302 highly recommended.

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 *Two credit hours*

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. Students will examine and practice teaching strategies designed for effective Family Life Education.

HPE 451 KINESIOLOGY/BIOMECHANICS *Three credit hours*

Prerequisite: BIO 203

A study of the structural and biomechanical aspects and principles of movement particularly as they relate to sport, dance, and exercise.

HPE 463 ADVANCED SPECIAL TOPIC SEMINAR *Credit hours to be arranged*

HPE 470 CLINICAL EXPERIENCE IN ATHLETIC TRAINING *One to four credit hours*

Prerequisite: HPE 202, successful completion of non-credit on-campus internship hours in athletic training, junior or senior standing, and approval of Head Athletic Trainer.

Upperclass practical experience in athletic training. Graded S-U. A total of 8 credits in HPE 470 must be earned as part of the 1500 hours of internship required by the NATA for licensure. Course may be taken more than once. Maximum credits in the course per term: 4. Credits per term to be determined by student in cooperation with Head Athletic Trainer or designated supervisor; general guideline is 45 clock hours per credit. Combination of credits earned in HPE 470 and HPE 070 and SDA 070 may not exceed a total of 14 applicable to the minimum credits needed for graduation. Course is not applicable to the athletic training major or any other HPE major or minor.

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

See Department Thesis/Project, Section II.

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 modern society is built; (2) to present a historical background for the arts, music, literature, religion, philosophy, the sciences, social sciences and business of the present; (3) to provide students with a sound foundation in history in order to teach their subject; (4) to prepare students for graduate school, government service or professional school; and (5) to assist students in developing skills in problem solving in their field of study.

The only course with a prerequisite is HIS 461. However, a sequence in courses, if more than one is desired, would be most constructive. Any course currently offered by the Department may be used to satisfy the humanities core requirement. 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 may vary from year to year. HIS 260 may be taken more than once, provided the topic has been changed.

History Major (Day)

Computer Code: HIST

Minimum credits required: 30 (plus prerequisites as indicated).

Day History Major Required Courses:

HIS 121	History of Europe I	3 credits
HIS 122	History of Europe II	3 credits
HIS 151	History of the United States I	3 credits
HIS 152	History of the United States II	3 credits
HIS 461	Historiography	3 credits (prerequisite required)

In addition, a history major must successfully pass the Department of History Comprehensive Examination and complete a "Senior Learning Statement." Students interested in graduate training in history are strongly urged to take HIS 463, Seminar in History, if they plan to request departmental support in graduate school applications. It is recommended that a student achieve a balance among European, American, and non-Western courses. It is also strongly recommended that a serious history major take more than the absolute minimum hours required. 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 in the Continuing Education Program (Evening/Weekend)

Computer Code: HIST

This major also consists of a **minimum of 30 credit hours**. Whereas there are no specific requirements it is strongly recommended that a student take: HIS 121, 122, 151, and 152.

Students majoring in history may prepare to teach in the secondary schools. Details of courses necessary to become licensed to teach may be obtained from the Department of History or the Division of Education.

Minor

A minor in history consists of a minimum of 17 credit hours. Whereas no specific courses are required, it is expected that upon consultation with a member of the Department of History, students will develop a program that is evenly balanced between European and American courses and between introductory courses and advanced courses. For the history minor, it is preferable to have a more general knowledge over several areas than to have in-depth knowledge in a single area.

Course Descriptions

HIS 050 INDEPENDENT STUDY

One to four credit hours

See Independent Study Program, Section II.

HIS 070 FIELD EXPERIENCE/INTERNSHIP

Credit hours to be arranged

See Field Experience/Internship Program, Section II.

HIS 121, 122 HISTORY OF EUROPE I, II

Three credit hours each

The purpose of these courses is to give students a good foundation in the happenings of the past in order to help them achieve an historical understanding of the present. HIS 121 emphasizes the periods of the Renaissance, the Reformation, Absolutism, the Enlightenment, the French Revolution, Napoleon and the development of the national state. HIS 122 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 two world wars, and post-war developments to the present.

HIS 151, 152 HISTORY OF THE UNITED STATES I, II

Three credit hours each

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 1865 to the present.

HIS 209 CHURCH HISTORY

Three credit hours

A survey of selected topics in the history of the Christian Church from the close of the Apostolic Age to the present. Attention is centered on the evolution of ecclesiastical institutions, the emergence of Christian theology and Christian biography. See REL 209. May be counted as either History or Religion credit, but not both.

HIS 211 ANCIENT AND MEDIEVAL HISTORY***Three credit hours***

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 227 HISTORY OF AFRICA***Three credit hours***

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 235 WOMEN IN WESTERN CIVILIZATION***Three credit hours***

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 240 WAR AND PEACE IN THE TWENTIETH CENTURY***Three credit hours***

A concentrated study of 20th-century wars, from World War I through World War II and beyond. Included are the history of international relations from the 19th century on, treaties, settlements, and peace attempts, and the discussion of various theories as to the causes of World War I and World War II.

HIS 260 TOPICS IN HISTORY***Three to four credit hours***

A basic introduction to new areas or fields of history or an in-depth look into facets of existing history courses.

Current topics include the following: Europe Since 1945, Fascism and Nazism, Presidential Greatness, The American 1920s, The American 1930s, American Business History, Jacksonian America, America's Wars, and Twentieth Century American Diplomatic History.

HIS 267 VIETNAM: CAUSES AND CONSEQUENCES***Three credit hours***

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 271 HISTORY OF ENGLAND I***Three credit hours***

The Tudor, Stuart and Hanoverian periods (1485-1830). Topics include the monarchy,

Stuart Absolutism and Parliament, the development of the office of Prime Minister and the unreformed Parliament.

HIS 272 HISTORY OF ENGLAND II

Three credit hours

Topics include Victorianism, the Welfare State, and English domestic and foreign policy at war and peace in the Twentieth Century.

HIS 289 THE MODERN MIDDLE EAST

Three credit hours

A study of the history of the political, social and economic development of the area from Turkey to Pakistan in the 19th and 20th centuries. The historical developments from the 600s to 1800 will be surveyed. Topics include relations with the West, imperialism, the Arab awakening, the Balkan troubles, revolutionary strains over independence and development, the Arab-Israeli conflict and Iran.

HIS 291 EAST ASIA

Three credit hours

Concentration is on the history of China and Japan from ancient times to the 1980s: political, social, cultural, religious and economic developments as well as modernization, revolution and war.

HIS 313 RENAISSANCE & REFORMATION

Four credit hours

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 323 THE FRENCH REVOLUTION

Four credit hours

Historical developments from the age of Louis XIV to 1815, including the history of the Enlightenment of the 17th and 18th Centuries, the scholarly theories and controversies about the causes and the significance of the Revolution, the various interpretations of the different stages of the Revolution, the Napoleonic regime and the debate among historians over its nature. Readings and lectures.

HIS 331 EUROPE IN THE NINETEENTH CENTURY

Four credit hours

A more advanced and more specialized study of topics presented in HIS 122.

HIS 333 EUROPE IN THE TWENTIETH CENTURY

Four credit hours

A more advanced and more specialized study of topics presented in HIS 122.

HIS 341 EUROPEAN INSTITUTIONAL DEVELOPMENT***Four credit hours***

In-depth studies of selected topics and individuals in one or more of the following areas of European history: social, cultural, intellectual, economic, political and diplomatic. Emphasis will be placed on the role of ideas. Specific topics will be announced each semester. (May be taken more than once for credit provided the topic has been changed).

HIS 345 RUSSIA***Four credit hours***

The history of Russia from the 800s with much emphasis on the 19th and 20th centuries: war, revolution, communism and modernization struggles.

HIS 347 BRITISH INSTITUTIONAL DEVELOPMENT***Four credit hours***

Studies in selected topics chosen from one or more of the following areas of British history: social, cultural, intellectual, economic, political and diplomatic, or may include periods of British history such as Stuart England, The Victorian Era, Churchill's England or England at War (May be taken more than once for credit provided the topic has been changed).

HIS 350 COLONIAL AMERICA***Four credit hours***

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***

A study of the development of the social, cultural, economic and political factors leading to the successful conclusion of the American Revolution and the formation of the American nation.

HIS 352 JEFFERSON-JACKSON***Four credit hours***

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***

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 VICTORIAN AMERICA***Four credit hours***

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 industrialized and world power. Topics will include the rise of industrialized and urbanized 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

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

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 363 GLOBAL AMERICA

Four credit hours

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 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 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

For further details see Departmental Thesis/Project, Section II.

HUMAN SERVICES

This interdisciplinary major combines courses from Sociology and Psychology selected for their relevance to the work setting. The major is available only in the Continuing Education Program and presumes current employment to provide a frame of reference for classroom assignments. Some of the HSR majors plan careers in the human service delivery system; others will work in human resource departments or personnel management and development areas of profit or nonprofit organizations. Whether moving ahead in their present career paths or planning new careers, students combine knowledge gained by experience in their present occupations with course work in the social and behavioral sciences. The courses emphasize work roles, work settings, and the role each plays in the lives of adults in the U.S. There is an introduction to research appropriate for the kinds of settings in which many of the students will work.

Human Services Major

Computer Code: HSRV

Links to other majors and minors:

Students selecting this major are encouraged to complete a concentration or a minor in a related field: Gerontology (minor or certificate), Business Administration, Communications, or additional courses in Sociology or Psychology.

Prerequisites:

Note: SOC 100 **or** SOC 106, and PSY 110 are required of all Human Services majors. These courses are to be completed before taking other required courses in that department as indicated below.

Minimum credits required: 44 (plus prerequisites as indicated)

Required courses:

SOC 206 Crime in Organizations OR	3 credits (Prerequisite required)
SOC 303 Urban Community Life	4 credits (Prerequisite required)
SOC 301 Class, Status, and Power	3 credits (Prerequisite required)
SOC 310 Work in America	3 credits (Prerequisite required)
SOC 345 Medical Sociology OR	3 credits (Prerequisite required)
SOC 206 Crime in Organizations	3 credits (Prerequisite required)
PSY 205 Developmental Psychology	3 credits (Prerequisite required)
PSY 335 Adult Development and Aging	4 credits (Prerequisite required)
PSY 320 Industrial/Organizational Psychology OR	4 credits (Prerequisite required)
PSY 321 Human Relations and Group Dynamics	3 credits (Prerequisite required)
PSY 302 Abnormal Psychology OR	4 credits (Prerequisite required)
PSY 339 Social Psychology	4 credits (Prerequisite required)
PSY 279 Elements of Statistics	4 credits (Prerequisite required)
SOC 280 Research Methods OR	4 credits (Prerequisite required)
PSY 280 Research Methods I	3 credits (Prerequisite required)
HSR 444 Senior Seminar: Integration of Theory & Practice	4 credits (Prerequisite required)

HUMAN SERVICES MAJOR--cont'd next page

PLUS a minimum of 7 credit hours from one of the following clusters:

ELECTIVE CONCENTRATIONS

Management applications cluster

BUS 305 Introduction to Management	(Prerequisite required)
BUS 329 Business Ethics	(Prerequisite required)
BUS 409 Behavioral Theories of Management	(Prerequisite required)
BUS 410 Human Resources	(Prerequisite required)

Social Issues Cluster

SOC 201 Social Problems	(Prerequisite required)
SOC 212 Families, Couples and Singles	(Prerequisite required)
CRJ/SOC 223 Juvenile Del/Juvenile Justice System	(Prerequisite required)
SOC 302 Racial and Cultural Minorities	(Prerequisite required)
SOC 317 Sociology of Deviance	(Prerequisite required)
SOC 315 Child Development	(Prerequisite required)
PSY 325 Adolescent Development	(Prerequisite required)

Research Cluster

PSY 281 Research Methods II in Psychology	(Prerequisite required)
PSY 301 Psychological Testing	(Prerequisite required)
SOC 281 SPSS: Data Analysis	(Prerequisite required)
SOC 400 Applied Social Research	(Prerequisite required)

Communications Cluster

SPC 202 Interpersonal Communication	(Prerequisite required)
SPC 306 Business/Professional Speaking	(Prerequisite required)
SPC 207 Group Communication/Leadership	(Prerequisite required)
BUS 358 Business Communication	(Prerequisite required)

Gerontology Cluster

SOC 344 Aging and Society	(Prerequisite required)
SOC 250 Topics in Sociology: Death and Dying	(Prerequisite required)
SOC 250 Topics in Sociology: Policies of Aging	(Prerequisite required)

Course Description

HSR 444 SENIOR SEMINAR: INTEGRATION OF THEORY AND PRACTICE

This course includes a required field experience of 40 hours in a work setting related to the student's Human Services personal career goals. Students keep a journal during the field experience in which they record the events that relate to specific courses in the major and any minors or concentrations they may have completed. The field experience becomes the central organizing element of the paper for the course. In this paper students are expected to integrate classroom learning with the internship. Finally, students give a 30-minute presentation plus a question and answer session in the class.

INTERNATIONAL STUDIES

The interdisciplinary major in international studies is designed to assist the student in developing the ability to evaluate and analyze complex global issues and to function successfully in an international environment. This major will provide a sound academic base for graduate study in international affairs, careers in government, journalism, education, and law, as well as international business, and other internationally-oriented careers. These objectives are met by a program which combines courses in sociology, geography, political science, history, economics and religion as well as competence in a foreign language. A required introductory course and interdisciplinary seminar are 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 made available through the Study Abroad Center of the College.

International Studies Major

Computer Code: INTS

Minimum credits required: 27-59 (depending on prerequisites and language proficiency)

Required courses:

1. INT 100 Introduction to the International Studies 3 credits
2. In order to provide an interdisciplinary basis for understanding global issues all students will complete the following:

One course from

Group 1

- | | |
|--------------------------------|-----------|
| POL 211 International Politics | 4 credits |
| POL 221 Modern Governments | 4 credits |

plus one course from three of the four groups which follow:

Group 2

- | | |
|---|-----------|
| GEO 121 Physical Geography | 4 credits |
| GEO 210 World Regional Geography | 3 credits |
| GEO 214 Political Geography | 3 credits |
| POL 205 Environmental Politics | 3 credits |
| POL 214 Political Geography | 3 credits |
| BIO/POL 200 or ECN 150 Humans and the Earth | 3 credits |

INTERNATIONAL STUDIES MAJOR--cont'd next page

Group 3

HIS 227 History of Africa	3 credits
HIS 240 War & Peace in 20th Century	3 credits
HIS 289 Modern Middle East	3 credits
HIS 291 East Asia	3 credits
HIS 260 Topics in History (Non-American)	3 credits
HIS 345 Russia	4 credits

Group 4

ART 232 Western Art II	4 credits
HUM 285 Intercultural Communication	3 credits
REL 103 Introduction to Religion AND	2 credits
REL 104 Concentration in Religion*	2 credits
*(when topic is international, both are required)	
SOC 181 Cultural Anthropology	3 credits
SOC 302 Racial and Cultural Minorities	3 credits

Group 5

ECN 365 International Economics (ECN 101 and 102 are prerequisites)	3 credits
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3. In order to provide a functional or geographic specialization, the student will select one of the areas of concentration listed below. At least four courses must be chosen in one concentration area with no more than three from one discipline. Special topics courses may be substituted where appropriate with the approval of the International Studies advisor. The student is to choose these electives with the help of his or her International Studies advisor, according to individual interests and career goals. Students are responsible for meeting any prerequisites which exist within departments for upper division courses listed below. Courses marked ❖ are offered in alternate years.

International Business and Economics

ECN 358 Environmental Economics❖	3 credits
ECN 360 Comparative Economic Systems❖	3 credits
ECN 362 Economics of Developing Countries❖	3 credits
ECN 365 International Economics (if not chosen as a Basic Requirement)	3 credits
BUS 329 Corporate and Management Ethics	3 credits
BUS 436 International Marketing	4 credits
BUS 444 International Financial Management	4 credits

Foreign Policy and Diplomacy

POL 311 American Foreign Policy❖	3 credits
POL 314 Comparative Foreign Relations❖	3 credits
POL 315 International Organization	2-3 credits
POL 316 International Organizations: Case Studies	1-3 credits
POL 322 Governments of Eastern Europe❖	3 credits
POL 323 Govt & Politics in English-Speaking Caribbean❖	3 credits
POL 324 Govt & Politics of Latin America❖	3 credits
POL 325 Politics of Latin America & Caribbean❖	3 credits
POL 326 Special Comparative Political Studies❖	2-3 credits
POL 325 Asian Political Systems	3 credits
POL 329 Govt & Politics in Sub-Saharan Africa❖	3 credits
HIS 341 European Institutional Development	4 credits

History, Society and Culture

HIS 331 Europe in the 19th Century	4 credits
HIS 333 Europe in the 20th Century	4 credits
POL 324 Govt & Politics of Latin America❖	3 credits
HIS 345 Russia (if not chosen as a Basic Requirement)	4 credits
HIS 356 Recent America: 1945-Present	4 credits
HIS 363 Global America	4 credits
ENG 335 Studies in World Literature	4 credits
SOC 301 Class, Status and Power	3 credits
SOC 302 Racial and Cultural Minorities (if not chosen as a Basic Requirement)	3 credits
SOC 303 Urban Community Life	3 credits
ART 432 Twentieth Century Art	3 credits

Russian and European Studies

POL 314 Comparative Foreign Relations	3 credits
POL 322 Governments of Eastern Europe	3 credits
HIS 345 Russia (if not chosen as a Basic Requirement)	4 credits
ENG 335 Studies in World Literature (when focus is European)	
HIS 331 Europe in the 19th Century	4 credits
HIS 333 Europe in the 20th Century	4 credits
HIS 341 European Institutional Development	4 credits
ART 431 Nineteenth Century Art	3 credits
ART 432 Twentieth Century Art	3 credits
GER 275 Introduction to German Literature	4 credits
GER 310 German Civilization	3 credits
GER 375 Survey of German Literature I❖	3 credits
GER 376 Survey of German Literature II❖	3 credits
FRN 275 Introduction to French Literature	4 credits
FRN 310 French Civilization I❖	3 credits
FRN 311 French Civilization II❖	3 credits
FRN 375 Survey of French Literature I❖	3 credits
FRN 376 Survey of French Literature II❖	3 credits
SPN 275 Introduction to Hispanic Literature	4 credits
SPN 310 Spanish Civilization❖	3 credits
SPN 311 Spanish-American Civilization❖	3 credits
SPN 375 Survey of Spanish Literature❖	3 credits
SPN 376 Survey of Spanish-American Literature❖	3 credits

Latin American and Caribbean Studies

POL 323 Govt & Politics in English-Speaking Caribbean❖	3 credits
POL 324 Govt & Politics of Latin America❖	3 credits
POL 325 Politics of Latin America and Caribbean	3 credits
ECN 362 Economics of Developing Countries❖	3 credits
ECN 341 Episodes in the Economic History of North America & the Caribbean	3 credits

Asian–African Studies

ECN 362 Economics of Developing Countries❖	3 credits
HIS 227 History of Africa (if not chosen as a Basic Requirement)	3 credits
HIS 291 East Asia (if not chosen as a Basic Requirement)	3 credits

INTERNATIONAL STUDIES MAJOR--cont'd next page

POL 325 Asian Political Systems	3 credits
POL 329 Govt & Politics of Sub-Saharan Africa	3 credits

American Studies (for students who are not U.S. citizens)

****POL 201 and HIS 251 & 252 are recommended**

ECN 341 Episodes in the Economic History of North America and the Caribbean	3 credits
ECN 349 Labor in the Economy	3 credits
ECN 356 Urban Economics	3 credits
HIS 354 Victorian America	4 credits
HIS 355 Modern America: 1920-1945	4 credits
HIS 356 Recent America: 1945-Present	4 credits
POL 301 The Elected Branches	3 credits
POL 302 Political Parties and Pressure Groups	3 credits
POL 303 Public Administration	3 credits
POL 304 Urban Politics	3 credits
POL 307 American Constitutional Law	3 credits
POL 308 American Civil Liberties	3 credits
POL 311 American Foreign Policy❖	3 credits
SOC 212 Families, Couples, Singles	3 credits
SOC 310 Work in America	3 credits
ART 335 American Architecture and Urban Planning	3 credits

4. Students who complete the major in International Studies will be required to exhibit competence in at least one foreign language, that is, a language other than their native language. Students whose native language is English may attain foreign language competence in one of the modern languages taught at Baldwin-Wallace by completing the following courses (or their equivalents):

FRENCH: 201, 202, 221; and one of the following: 310, 311, 375*, 376* or 463*

GERMAN: 201, 202, 221; and one of the following: 310, 375*, 376* or 463*

SPANISH: 201, 202, 221; and one of the following: 310, 311, 375*, 376* or 463*
*requires prerequisite

In completing these requirements, students are strongly urged to study abroad. The final element in the competency evaluation process will be a half-hour interview, in the target language, with a member or members of the appropriate section of the Department of Foreign Languages and Literatures. For this interview the students will choose a topic of interest to them. The choice should be made well in advance of the date set for the interview and in consultation with a professor of the target language. Students are then required to speak on this topic for 15 minutes and to answer questions on it. The remaining minutes of the interview will be spent in general conversation. This interview will be arranged during the Fall Semester of the student's senior year. A student who is earning a major or a minor in the target language is exempt from this interview.

Students presenting competence in other languages or those whose native language is not English must see the Chairman of the Department of Foreign Languages for requirements. For students whose native language is not English, completion of Baldwin-Wallace's English

requirement for graduation will satisfy the language competency requirement. All students intending to complete a major in International Studies at Baldwin-Wallace College should identify themselves at the earliest possible point in their academic careers to the Chairman of the Department of Foreign Languages so that a program insuring timely completion of the language competence requirement can be set up. The Department Chairman or some other appointed person will monitor the student's progress and serve as language advisor to the student.

5. Finally, each student must take a three credit integrative 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 instructors involved.

Other courses, when they seem relevant to the student's goal, may be added with the approval of the advisor and committee.

International Studies Minor

Minimum credits required: 18

- INT 100 Introduction to International Studies 3 credits
- one course from three different basic requirement groups listed above 9-12 credits
- Two 300-400 courses from concentrations listed above 6-8 credits
or from interdisciplinary seminar offerings in 3 or 5

Courses most 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.

INT 100 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 BW core curriculum International Studies and/or Social Science requirements.

MATHEMATICS

The Department of Mathematics seeks to provide its students with a foundation in rigorous thinking and problem-solving techniques. To that end we offer courses for the non-major that will satisfy the core requirement and provide interest and basic problem-solving techniques. For the major we offer a program that can prepare students for careers in which rigorous thinking and problem solving are essential, including secondary school teaching. Majors are encouraged to further their education at the graduate level. Majors are also encouraged to explore other disciplines, interpreting them in the precise language of mathematics.

Entry level courses include MTH 111-112 (Mathematics for Early and Middle Childhood Teachers, Parts I and II), MTH 134 (Mathematics...A Liberal Arts Approach), MTH 135 (Intro. to Probability & Statistics), MTH 136 (Applied College Math), and MTH 140 (Precalculus). These courses presume the student has successfully completed at least three years of high school mathematics, including Geometry and Algebra II. Students who have not completed these high school prerequisites are strongly urged to enroll in one or both of the remedial mathematics courses, COL 121 and COL 122, prior to enrolling in any college level mathematics course.

Mathematics Major

Computer Code: MTHS

Minimum credits required: 37 (plus prerequisites as indicated). All courses other than Calculus must be numbered higher than 199.

MTH 141	Calculus I	4 credits	(Prerequisite required)
MTH 142	Calculus II	4 credits	(Prerequisite required)
MTH 243	Calculus III	4 credits	(Prerequisite required)
MTH 211	Linear Algebra	4 credits	(Prerequisite required)
MTH 311	Advanced Calculus I OR	4 credits	(Prerequisite required)
MTH 411	Abstract Algebra I (One or both)	4 credits	(Prerequisite required)

One course in applied mathematics, chosen from among the following:

MTH 212	Differential Equations	3 credits	(Prerequisite required)
MTH 307	Operations Research	3 credits	(Prerequisite required)
MTH 314	Numerical Analysis	3 credits	(Prerequisite required)
MTH 405	Mathematical Statistics I OR	4 credits	(Prerequisite required)
MTH 406	Mathematical Statistics II	3 credits	(Prerequisite required)

One of the following sequences of two courses:

MTH 311	Advanced Calculus I and	4 credits	(Prerequisite required)
MTH 312	Advanced Calculus II	3 credits	(Prerequisite required)
MTH 405	Mathematical Statistics I and	4 credits	(Prerequisite required)
MTH 406	Mathematical Statistics II	3 credits	(Prerequisite required)
MTH 411	Abstract Algebra I and	4 credits	(Prerequisite required)
MTH 412	Abstract Algebra II	3 credits	(Prerequisite required)

MATHEMATICS MAJOR--cont'd next page

In addition, majors are required to earn a passing score on an approved comprehensive examination. The three examinations approved for this purpose are the Major Field Achievement Test or the Mathematics Subject Test of the Graduate Record Examination, both published by Educational Testing Service, or the First Examination (Exam 100), published by the Society of Actuaries (SOA).

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 usage is emphasized in many of the courses in mathematics. Therefore, students planning to major in mathematics are urged to take CSC 150 (Fundamentals of Computer Science) or CSC 210 (Programs & Applications) concurrently with their first course in mathematics.

Licensure for Secondary Teaching

Students seeking secondary school licensure in mathematics 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 ten more hours selected from courses numbered above 199. At least one course must be numbered above 299.

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	BC	4	MTH 141
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.

Joint 5-Year B.S./M.S. Program with the Department of Operations Research at Case Western Reserve University

A student may earn both a B.S. degree in Mathematics from Baldwin-Wallace College and an M.S. in Management Science in the Department of Operations Research at Case Western Reserve University in five years. During the four years at Baldwin-Wallace, the student will concurrently enroll in three courses at CWRU. During the first semester that a course is taken at CWRU, the student will apply for admission to the program. If accepted, the student will continue to take the next two courses at CWRU and then during a fifth year at CWRU work on the requirements of the M.S. degree.

Course Descriptions

Note: Knowledge of high school Algebra I, Algebra II and Geometry are prerequisites for all Mathematics courses. Students are required to have taken the Baldwin-Wallace mathematics placement test or to have scored at least 26 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 FIELD EXPERIENCE/INTERNSHIP

Credits to be arranged

See Field Experience/Internship Program, Section II.

MTH 111 MATHEMATICS FOR EARLY AND MIDDLE CHILDHOOD TEACHERS, PART I

Four credit hours

Prerequisite: Three years of high school mathematics including geometry and second year algebra. Students who have not successfully completed second year algebra should complete one or two remedial algebra courses, in accordance with placement test scores, to meet the prerequisite prior to enrolling in this course (See COL courses).

Open to early and middle childhood majors only. A systematic presentation of elementary mathematics for those who are preparing to teach early and middle childhood. The course provides an overall view of the number system, emphasizing ideas and concepts rather than routine drill. The following topics are surveyed: evolution of the number system, logic and sets, elementary number theory, rules for algebraic manipulation, and mathematical systems.

MTH 112 MATHEMATICS FOR 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 134 MATHEMATICS AND THE HUMANITIES:
A LIBERAL ARTS APPROACH**

Three credit hours

Prerequisites: Three years of high school mathematics including geometry and second year algebra. Students who have not successfully completed second year algebra should complete one or two remedial algebra courses, in accordance with placement test scores, to meet the prerequisite prior to enrolling in this course (See COL courses).

This course includes a study of fundamental mathematics topics selected from the following: logic, sequences, analytic geometry, spatial geometry, conic sections, wave motion, exponential functions, probability, and statistics. Topics are approached from the perspective of understanding the mathematical concepts underlying many different aspects of the human experience.

MTH 135 INTRODUCTION TO PROBABILITY AND STATISTICS **Three credit hours**

Prerequisite: Three years of high school mathematics including geometry and second year algebra. Students who have not successfully completed second year algebra should complete one or two remedial algebra courses, in accordance with placement test scores, to meet the prerequisite prior to enrolling in this course (See COL courses).

An introductory course designed to promote the understanding of basic statistical and probability concepts. Topics to be studied include descriptive statistics, probability of finite sample spaces, probability distributions, hypothesis testing, confidence intervals and parameter estimation.

MTH 136 APPLIED COLLEGE MATHEMATICS

Three credit hours

Prerequisite: Three years of high school mathematics including geometry and second year algebra. Students who have not successfully completed second year algebra should complete one or two remedial algebra courses, in accordance with placement test scores, to meet the prerequisite prior to enrolling in this course (See COL courses).

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 140 PRECALCULUS MATHEMATICS

Four credit hours

Prerequisite: Three years of high school mathematics including geometry and second year algebra. Students who have not successfully completed second year algebra should complete one or two remedial algebra courses, in accordance with placement test scores, to meet the prerequisite prior to enrolling in this course (See COL courses).

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: Three years of high school mathematics including geometry and second year algebra. Students who have not successfully completed second year algebra should complete one or two remedial algebra courses, in accordance with placement test scores, to meet the prerequisite prior to enrolling in this course (See COL courses).

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 200 SCIENCE**One to three 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.

MTH 201 HISTORY OF MATHEMATICS**Three credit hours**

Prerequisite: Three MTH courses including MTH 141.

This course will survey the history of mathematics from the earliest known results to modern calculus, using assigned readings, problems and discussion. Required for those seeking licensure to teach mathematics in middle school or high school.

MTH 211 LINEAR ALGEBRA**Four credit hours**

Prerequisite: MTH 142.

Systems of linear equations, matrices and determinants, vectors and vector spaces, linear dependence, linear transformations, orthogonality, eigen-values, and applications are studied. Computer activities will be included. The subject has widespread applications and also provides an introduction to axiomatic mathematics.

MTH 212 DIFFERENTIAL EQUATIONS**Three credit hours**

Prerequisite: MTH 142.

A study of first- and higher order ordinary differential equations, including solutions by series and Laplace transform. Computer activities will be included.

MTH 243 CALCULUS III**Four credit hours**

Prerequisite: MTH 142.

A course in multivariable calculus including vectors, partial differentiation and multiple integration.

MTH 250 MATHEMATICAL LOGIC**Three credit hours**

Prerequisite: MTH 141 or any CSC course above 199.

The principles and methods of symbolic logic are studied, with the goal of providing formal procedures of analysis and deduction to be used in advanced studies of both computer science and mathematics. Offered on demand.

MTH 262 DISCRETE MATHEMATICS II**Three credit hours***Prerequisite: MTH 161 or permission of the instructor.*

This course reviews and extends topics covered in MTH 161 at a more advanced level. Topics include mathematical induction, combinatorics, recursion, relations, graphs and trees.

MTH 263 SEMINAR**One to three credit hours**

A study of selected topics in mathematics.

MTH 307 INTRODUCTION TO OPERATIONS RESEARCH**Three credit hours***Prerequisite: MTH 142.*

An introduction to some of the techniques which can be applied to explain the behavior of complex systems and aid in management decisions. Mathematical tools include probability, statistics, calculus and linear programming. Computer applications will be included. Offered 1999-2000.

MTH 311 ADVANCED CALCULUS I**Four credit hours***Prerequisite: MTH 243 and 211.*

An analytical study of the real number system and the foundations of calculus. Topics to be included are limits, continuity, differentiation, integration and metric spaces. Offered 1999-2000.

MTH 312 ADVANCED CALCULUS II**Three credit hours***Prerequisite: MTH 311.*

A continuation of MTH 311 covering differentiation and integration in several variables, infinite sequences and series of number functions, and further topics such as the Stieltjes and/or Lebesgue integrals, vector analysis and Fourier analysis. Offered 1999-2000.

MTH 313 APPLIED ANALYSIS**Three credit hours***Prerequisite: MTH 212.*

Application to problems in engineering, physics and chemistry using concepts such as ordinary and partial differential equations, complex variables, Laplace transforms, Fourier series, vector analysis and orthogonal functions. Offered 1998-1999

MTH 314 NUMERICAL ANALYSIS**Three credit hours***Prerequisite: MTH 243 and CSC 210.*

A study of numerical methods of solving problems, including those to which the computer is applicable. Offered 1999-2000.

MTH 315 COLLEGE GEOMETRY**Three credit hours***Prerequisite: MTH 142.*

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 in 1999-2000.

MTH 359 SPECIAL METHODS IN SECONDARY TEACHING FIELD *Four credit hours*

See EDU 359. Required of those seeking licensure to teach high school mathematics.

MTH 405 MATHEMATICAL STATISTICS I *Four credit hours*
Prerequisite: MTH 243.

Theory of probability and mathematical statistics. Emphasis is on probability distributions. Offered 1998-99.

MTH 406 MATHEMATICAL STATISTICS II *Three credit hours*
Prerequisite: MTH 405.

A continuation of MTH 405 with emphasis on the theory and applications of random samples, hypothesis testing, parameter estimation and regression. Offered 1998-99.

MTH 411 ABSTRACT ALGEBRA I *Four credit hours*
Prerequisite: MTH 243 and 211.

An axiomatic approach to algebraic structures, with the focus on groups, homomorphisms, group actions and Sylow theory. Required for those seeking licensure to teach high school mathematics. Offered 1998-1999.

MTH 412 ABSTRACT ALGEBRA II *Three credit hours*
Prerequisite: MTH 411.

Continuation of the material in MTH 411. Rings, integral domains, fields and Galois theory will be studied. Offered 1998-1999.

MTH 463 SEMINAR *One to three credit hours*
Prerequisite: Advanced standing and consent of the instructor.

Advanced study for qualified students.

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

See Departmental Thesis/Project, Section II

MUSIC IN LIBERAL ARTS

The courses, music major and minor described below are specifically designed for students who are not pursuing a professional music degree. For information on Conservatory admission, the Bachelor of Music (B.M.) degree, the Bachelor of Music Education (B.M.E.) degree, Musical Theatre major, and other courses and academic programs offered by the Conservatory of Music, see Section IX of Catalog.

B.A. Degree with Major in Music

Computer Code: MULA

In order to earn the B.A. degree with a music major, all requirements for a B.A. degree must be met, including all area and credit requirements of the College core. This major is designed for students who are not pursuing a professional music degree. Students are encouraged to supplement this major with further diversification in the liberal arts and/or an academic minor. No more than 60 credits with a MUS-prefix may be applied to the 124 minimum credits required for completion of a B.A. degree. MUS 001, performance attendance, is a non-credit requirement for all Conservatory students, including those students seeking a B.A. Degree with a major in music; students must attend a specified number of performances for a minimum of two semesters in order to be eligible for graduation.

Minimum credits required: 40 (plus prerequisites as designated)

Required courses:

MUS 001	Performance Attendance	Non-credit requirement
MUS 106, 107	Harmony 1, 2	4 credits (Placement prerequisite)
MUS 116, 117	Solfege 1, 2	4 credits (Placement prerequisite)
MUS 206, 207	Harmony 3, 4	4 credits (Prerequisite required)
MUS 216, 217	Solfege 3, 4	4 credits (Prerequisite required)
MUS 221	Intro to Music Literature	1 credit
MUS 222	History & Literature 1	3 credits
MUS 321, 322	History & Literature 2,3	6 credits
MUS 010-030	Applied Music Lessons (Four consecutive semesters of one instrument)	8 credits (Placement prerequisite)
MUS 010 or 145	Piano Lessons or Class (Two semesters)	2 credits (Placement prerequisite)
MUS 163	Ensemble (Four semesters)	4 credits (Placement prerequisite)

For further details and descriptions of the above courses and credits, refer to Section IX.

Note: If piano is the major instrument for completion of the applied music lessons, another orchestral instrument or voice is substituted for the piano requirement shown above. Ensemble credits are earned from wind ensemble, choir, or orchestra, depending upon the major instrument.

Students interested in **music and arts management** who are participating in the **Sport/Dance/Arts Management Program** are encouraged to follow the above 40-credit music major but with approved substitutions for MUS 206, MUS 207, MUS 216, MUS 217, and MUS 222.

MUSIC IN LIBERAL ARTS MAJOR--cont'd next page

Required courses for B.A. Degree Major in Music (Management Emphasis):

MUS 001	Performance Attendance	Non-credit requirement
MUS 106, 107	Harmony 1, 2	4 credits (Placement prerequisite)
MUS 116, 117	Solfege 1, 2	4 credits (Placement prerequisite)
MUS 221	Intro to Music Literature	1 credit
MUS 321, 322	History & Literature 2, 3	6 credits
MUS 010-030	Applied Music Lessons (Six consecutive semesters of one instrument)	12 credits (Placement prerequisite)
MUS 010 or 145/146	Piano Lessons or Class (Two semesters)	2 credits (Placement prerequisite)
MUS 163	Ensemble (Six consecutive semesters)	6 credits (Placement prerequisite)
MUS (as arranged)	Electives in music	5 credits

In addition to the above requirements with approved substitutions, students in the Sport/Dance/Arts Management Program are also expected to complete credits in business administration, interdisciplinary courses (SDA 201, 401), courses specifically designed for student in arts management (SDA 301, 302), and field experience in arts management (SDA 070). For further details on the Sport/Dance/Arts Management Program, see Section VII of the Catalog.

Music Minor

The minor in music consists of 20 credit hours, normally distributed as follows:

Harmony 106, 107	Two credits each	4
Solfege 116, 117	Two credits each	4
History & Literature ¹	One & Three credits respectively	4
Ensemble		2
Applied Music ²		4
Electives		2

Students minoring in music should have two advisors - one from the Conservatory faculty and one from the major academic area.

¹To satisfy the requirement in Music History & Literature, the music minor must complete MUS 221 for one credit hour, and any one of the following: MUS 222, 321, or 322 for 3 credit hours. With the consent of the department, the student may select MUS 421, 422, 423, or 424.

²A single instrument for four consecutive semesters; half-hour weekly lessons for one credit per semester.

Preparatory/Adult Education Department

Non-credit study is offered through the Preparatory/Adult Education Department of the Conservatory, providing an opportunity for ensemble participation and class or private instruction in voice and most instruments. Lessons are available to students of all ages.

Private instruction is available with members of the Conservatory faculty, adjunct faculty, and student teachers who have been approved by the faculty as qualified instructors. Dalcroze Eurhythmics is also taught to pre-school and early school-age children. All private instruction is offered on a semester basis of fifteen weeks, and tuition fees are due and payable by the first lesson. Students may enroll through the Preparatory/Adult Education Department office by calling 440/826-2365 or 440/826-2366.

Course Descriptions

A great variety of courses for non-music majors is offered as faculty schedules permit and as student interest may warrant. Following is a sampling of some representative courses available on a regular or periodic basis.

MUS 001 PERFORMANCE ATTENDANCE

Zero credit

Students must attend a specified number of performances in a minimum of two semesters in order to be eligible for graduation.

MUS 010-030 PRIVATE LESSONS IN APPLIED MUSIC

One credit hour

Instruction in keyboard, wind, percussion, string instruments and voice. Available by audition. May be repeated for credit. An extra tuition fee will be charged for all private lessons.

MUS 135 VOICE CLASS I

One credit hour

Required for instrumental applied BME's

Introduction to the basic elements of voice including psychological concerns, the vocal mechanism, the singing process, diction, principles, expressive techniques, and introduction to the International Phonetic Alphabet.

MUS 126 VOICE CLASS II

One credit hour

Development of individual singing skills, stage deportment, designing instructional song plans, evaluating vocal performance and designing remedial vocal plans.

MUS 141 BEGINNING PIANO CLASS

One credit hour

Piano for liberal arts students who have had little or no piano experience.

MUS 163 ENSEMBLE

Qualified liberal arts students are encouraged to participate in Conservatory ensembles, as limited by openings; audition required. All may be repeated for credit.

SYMPHONY ORCHESTRA

One credit hour

SYMPHONIC WIND ENSEMBLE

One credit hour

COLLEGE CHOIR

One credit hour

MOTET CHOIR

One credit hour

BRASS CHOIR

One credit hour

PERCUSSION ENSEMBLE

One credit hour

WOMEN'S CHOIR

One credit hour

CLARINET CHOIR

One credit hour

JAZZ BAND

One credit hour

GUITAR ENSEMBLE	<i>One credit hour</i>
COLLEGIUM MUSICUM	<i>One credit hour</i>
FLUTE ENSEMBLE	<i>One credit hour</i>
STAGE CHOIR	<i>One credit hour</i>

MUS 171 THE ART OF LISTENING TO MUSIC *Two credit hours*

An introductory course designed for the non-music student, with the goal of becoming familiar with representative masterpieces of classical music.

MUS 172 MUSIC APPRECIATION *Two credit hours*

A course designed to develop a basic understanding of styles and idioms of music through exposure to various periods in the history of world music.

MUS 173 JAZZ HISTORY *Two credit hours*

This class begins with early jazz such as Dixieland and Ragtime, and progresses through the various style periods to the present.

MUS 175 WORDS AND MUSIC *Two credit hours*

This course explores musical embodiments of poetry, fiction, and drama. Examples include classical and popular songs, choral works, opera and ballet scenes, selections from musicals, program music, and incidental music for plays and film scores.

MUS 179 JAZZ IMPROVISATION *Two credit hours*

A course in building basic improvisational skills; some performance background is necessary.

MUS 192 MUSIC IN THE ELEMENTARY CLASSROOM *Two credit hours*

Required of all elementary education majors. May not be applied to the humanities requirement.

A study of the methods and materials used by the classroom teacher in teaching music in the elementary classroom.

MUS 195 WORLD MUSIC *Two credit hours*

Designed for students with multicultural interests, this course encourages individual research in music of various ethnic groups.

MUS 249 GUITAR CLASS *One credit hour*

Students learn to play 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 will also be included. Prior experience in reading music will be helpful but is not required.

MUS 417 ELECTRONIC MUSIC *Two credit hours*

Designed for the liberal arts student, this course covers basic techniques and provides the opportunity to work with mixers, recorders, microcomputers, and digital synthesizers.

NEUROSCIENCE MINOR

Baldwin-Wallace College offers an inter-disciplinary 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 credits

Required Courses (students must take all of these eleven credit hours).

BIO/PSY 250	Principles of Neuroscience	Three credits
PSY/BIO 303	Physiological Psychology	Four credits
BIO 203	Human Anatomy and Physiology I OR	Four credits
BIO 333	Human Physiology	Four credits

Note: Required courses selected from above cannot be used as electives.

Electives (In addition to the required courses above, students must take any three of these.

Note: Students must take at least one course from Biology or Chemistry and one from Psychology):

BIO 203	Human Anatomy and Physiology I	Four credits
BIO 204	Human Anatomy and Physiology II	Three credits
BIO 331	Vertebrate Embryology	Two credits
BIO 333	Human Physiology	Four credits
BIO 341	Immunology	Four credits
BIO 405	Advanced Topics in Biology (Relevant to Neuroscience)	Three-four credits
BIO 050	Independent Study (Relevant to Neuroscience)	Three-four credits
CHM 311	Biochemistry	Three credits
CHM 050	Independent Study (Relevant to Neuroscience)	Three-four credits

PSY 261, 262, 263	Special Topics Seminars (Relevant to Neuroscience)	Three credits
PSY 280	Research Methods I	Three credits
PSY 281	Research Methods II	Three credits
PSY 327	Psychology of Learning	Four credits
PSY 328	Cognitive Processes	Four credits
PSY329	Sensation and Perception	Four credits
PSY 461, 462, 463	Seminar (Relevant to Neuroscience)	Three credits
PSY 050	Independent Study (Relevant to Neuroscience)	Three-four credits

Notes:

1. On a case-by-case basis, the Director of the Neuroscience Minor 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.
2. This Minor is not designed to help the student meet all of the customary prerequisites for graduate school in Neuroscience. For example, while not required for the Minor, students headed to graduate school in Neuroscience should also take Chemistry courses (through CHM 252) and CHM 311 (Biochemistry).

Students are reminded that they may arrange an interdepartmental major in Neuroscience. For further details on developing an interdepartmental major, refer to Section I.

PHILOSOPHY

Courses in philosophy are designed to provide students with principles of critical thinking, to help them acquire a knowledge of the development and problems of philosophic thought, and to lead them to formulate intelligent views of the meaning and value of life.

The study of philosophy has traditionally endeavored to give the broadest understanding possible in a liberal education and has placed considerable emphasis on the development of a capacity for critical analysis and evaluation of ideas. Students have found a philosophical background useful for a variety of vocations and for graduate work in many disciplines.

All philosophy courses may be used to meet the general curriculum requirement of the College in the Humanities area. Prerequisites may be waived by consent of the instructor.

Philosophy Major

Computer Code: PHL Y

Each major in philosophy will arrange a program of courses in conference with a member of the department. The program will be designed in terms of the student's interests, needs, vocational plans, and the year in which a major is declared. No more than two courses numbered 101 may count toward the major, which requires a minimum of 23 credit hours to be taken in the field.

A second academic major area, or strong area of emphasis, will generally be found to be an important and helpful complement to the philosophy major.

Students majoring in philosophy who intend to pursue graduate study and teach philosophy will be advised to take German or French through the level of 102. Ideally, both sets of courses should be taken.

A senior paper, generally prepared while the student is registered in the Senior Tutorial course, is required for all majors who plan to do graduate work in philosophy.

Minor

A minor in philosophy requires a minimum of 15 credit hours. The minor program is designed by the student with his or her faculty advisor to meet the student's educational objectives.

Course Descriptions

PHL 050 INDEPENDENT STUDY

One to four credit hours

See Independent Study Program, Section II.

PHL 101 INTRODUCTION TO PHILOSOPHY

Three credit hours

Courses numbered 101 are introductions to philosophy through special problems. Check the Course Schedule for topics being offered.

Nature and Human Nature

A study of the influence of literary, social, biological and philosophical ideas on

people's conception of themselves. Selected readings drawn from various disciplines, ranging from Greek thought to contemporary existential psychology, are used.

The Structure of Argument

An informal approach to logical reasoning. Students study basic argument forms, spotting fallacies and uncovering assumptions.

Value and Obligation

The roles of reason, emotion, and desire in the moral life are studied in this course. Also introduced are the nature and status of values; the meaning of "good", "right", and "obligation"; and the problem of free will. (Not open to students who have taken Ethics.)

Ethics

Contemporary ethical thinking is used to analyze current moral problems in areas such as euthanasia, privacy, abortion, sexuality, reverse discrimination, and scientific experimentation.

PHL 203 PROBLEMS OF PHILOSOPHY

Three or four credit hours

A consideration of selected topics of philosophical significance. May be repeated for credit provided the topic is different from any for which the student has already received credit. Check the Course Schedule for the topics being offered.

PHL 205 ADVANCED ETHICS

Four credit hours

Contemporary ethical issues such as war, capital punishment, abortion, and euthanasia are used to examine the adequacy of utilitarian arguments in ethics generally.

PHL 209 POLITICAL AND SOCIAL PHILOSOPHY

Four credit hours

Prerequisite: PHL 101 or consent of the instructor.

Critical evaluations of selected political and social concepts with historical and contemporary significance, including the state, law, government, power, political obligation, justice, right, freedom, and equality. Extensive reading in original texts is required. May be offered less frequently than once a year.

PHL 211 HISTORY OF PHILOSOPHY

Four credit hours

A survey of the history of Western philosophy from the Pre- Socratics to Aristotle. May be offered less frequently than once a year.

PHL 212 HISTORY OF PHILOSOPHY

Four credit hours

A survey of the history of Western philosophy from post- Aristotle to St. Thomas. May be offered less frequently than once a year.

PHL 214 EXISTENTIALISM

Four credit hours

Prerequisite: PHL 101 or consent of the instructor.

A close examination of seminal materials in the "philosophy of existence," including works by Dostoyevsky, Kierkegaard, Nietzsche, Ortega, Sartre, and Camus. May be offered less frequently than once a year.

PHL 247 PHILOSOPHY OF SCIENCE

Four credit hours

Prerequisite: PHL 101 or consent of the instructor.

The nature of scientific explanation is studied as well as clarification of methods and

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concepts in science, such as cause, law, theory, probability, determinism and teleology. May be offered less frequently than once a year.

PHL 249 PHILOSOPHY OF ART

Four credit hours

Prerequisite: PHL 101 or consent of the instructor.

An examination of the problems that arise when we reflect upon the nature and basis of criticism of works of art. May be offered less than once a year.

PHL 269 PHILOSOPHY OF RELIGION

Four credit hours

Prerequisite: PHL 101 or consent of the instructor.

The nature of religion, the relationship between religion, philosophy, and science, the problem of faith and reason, and contemporary issues involved with religious language are studied. May be offered less frequently than once a year.

PHL 312 METAPHYSICS

Four credit hours

Prerequisite: PHL 101 or consent of the instructor.

An introduction to the basic problems of metaphysics, including the relation of mind and body, freedom and determinism, the structure of space and time, causation, and the existence of God. May be offered less than once a year.

PHL 313 EPISTEMOLOGY

Four credit hours

Prerequisite: PHL 101 or consent of the instructor.

A philosophical examination of the nature, extent, and bases of knowledge. This course will include topics such as the justification of claims to knowledge, the relation between knowing and believing, the problem of certainty, and the nature of truth. May be offered less frequently than once a year.

PHL 371 SPECIAL TOPICS IN PHILOSOPHY

Four credit hours

A detailed study of a selected topic in philosophy. Student interest will help to determine what topics will be offered. May be repeated for credit, provided that the topic is different from any for which the student has already received credit. Topics to be announced. May be offered less frequently than once a year.

PHL 372 GREAT PHILOSOPHERS

Four credit hours

A detailed investigation of the works of a significant philosopher or philosophic tradition. Student interest will help to determine what topics will be offered. May be repeated for credit, provided the topic is different from any for which the student has already received credit. Topics to be announced. May be offered less frequently than once a year.

PHL 464 SENIOR TUTORIAL

One to three credit hours

Prerequisite: Senior major status.

Under tutorial supervision, students are given extensive training in the analysis of a philosophical problem or system with a view to producing a senior thesis.

PHL 491, 492 DEPARTMENTAL THESIS/PROJECT

Credit hours to be arranged

See Departmental Thesis/Project, Section II.

PHYSICS

Physics explores the scientific principles governing the behavior of the physical world. These principles are the basis for new technology and provide insight into the nature of the universe around us. 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.

Recognizing that students have a variety of backgrounds and vocational goals, the department provides individual counseling to help each student select the sequence of courses best suited to their goals

All physics courses, with the exception of PHY 180, may be used to satisfy a portion of the core curriculum requirement in science.

Physics

Computer Code: PHYS

The major described below is designed for students whose goal is graduate study or employment in scientific research and development.

Minimum credits required: 61-62 (plus prerequisites as indicated)

Required Physics Courses

PHY 131	General Physics I	5 credits	Calculus recommended
PHY 132	General Physics II	5 credits	(Prerequisite required)
PHY 233	Modern Physics	3 credits	(Prerequisite required)
PHY 234	Modern Physics Laboratory	3 credits	(Prerequisite required)
PHY 311	Electronics	3 credits	(Prerequisite required)
PHY 312	Advanced Laboratory	3 credits	(Prerequisite required)
PHY 312	Advanced Laboratory	3 credits	(Prerequisite required)

Advanced Laboratory must be taken at least twice with different experiments done each time it is taken

Any four (4) of the following courses must be successfully completed.

PHY 331	Mechanics I	3 credits	(Prerequisite required)
PHY 332	Mechanics II	3 credits	(Prerequisite required)
PHY 361	Electromagnetism	4 credits	(Prerequisite required)
PHY 362	Physics of Waves	3 credits	(Prerequisite required)
PHY 371	Thermal Physics	3 credits	(Prerequisite required)
PHY 372	Quantum Physics	3 credits	(Prerequisite required)

Required Courses in other areas

CHM 111	General Chemistry I	4 credits	
CHM 111L	General Chemistry I Lab	0.5 credit	(Prerequisite required)
CHM 112	General Chemistry II	4 credits	(Prerequisite required)
CHM 112L	General Chemistry II Lab	0.5 credit	(Prerequisite required)
MTH 141	Calculus I	4 credits	(Prerequisite required)
MTH 142	Calculus II	4 credits	(Prerequisite required)
MTH 243	Calculus III	4 credits	(Prerequisite required)
MTH 212	Differential Equations	3 credits	(Prerequisite required)

202 Physics

Physics Teaching Major

Computer Code — PHYT

The major described below is designed for students whose goal is meeting the requirements of the Adolescent/Young Adult License in Physical Science.

Minimum credits required: 60.5-63 (plus prerequisites as indicated)

Required Courses in Physics (19 credits)

PHY 131	General Physics I	5 credits	Calculus recommended
PHY 132	General Physics II	5 credits	(Prerequisite required)
PHY 233	Modern Physics	3 credits	(Prerequisite required)
PHY 234	Modern Physics Laboratory	3 credits	(Prerequisite required)
PHY 311	Electronics	3 credits	(Prerequisite required)

Required Courses in Chemistry (21.5 credits)

CHM 111/111L	General Chemistry I & Lab	4.5 credits	
CHM 112/112L	General Chemistry II & Lab	4.5 credits	(Prerequisite required)
CHM 221/221L	Quantitative Analysis & Lab	4 credits	(Prerequisite required)
CHM 251/251L	Organic Chemistry I & Lab	4.5 credits	(Prerequisite required)
CHM 311/331L	Biochemistry & Lab	4 credits	(Prerequisite required)

Required Courses in Mathematics (8 credits)

MTH 141	Calculus I	4 credits	(Prerequisite required)
MTH 142	Calculus II	4 credits	(Prerequisite required)

Any two (2) of the following courses must be successfully completed.

CHM 321	Instrumental Analysis & Lab	4 credits	(Prerequisite required)
CHM 331	Physical Chemistry I & Lab	3.5 credits	(Prerequisite required)
PHY 312	Advanced Laboratory	3 credits	(Prerequisite required)
PHY 362	Physics of Waves	3 credits	(Prerequisite required)
PHY 371	Thermal Physics	3 credits	(Prerequisite required)
PHY 372	Quantum Physics	3 credits	(Prerequisite required)

Choose at least 2 courses in 2 departments from:

AST 100	Observational Astronomy	4 credits	
AST 111	Astronomy of the Stars	3 credits	
AST 121	Astronomy of the Solar System	3 credits	
CHM 200	Science and Society	3 credits	
CHM 200	Environmental Chemistry	3 credits	
CHM 200	Energy	3 credits	
CHM 200	Women In Science	3 credits	
PHY 102	Energy and the Future	3 credits	
PHY 103	Frontiers of Physics	3 credits	

The following courses are recommended but not required:

MTH 243	Calculus III	4 credits	(Prerequisite required)
MTH 212	Differential Equations	3 credits	(Prerequisite required)

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, Columbia University and Washington University. Upon satisfactory completion of the three-year pre-engineering program at B-W and the two-year 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. 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

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 credits required: 58 at Baldwin-Wallace plus additional credits at the engineering school in which the program is completed.

PHY 131	General Physics I	5 credits	
PHY 132	General Physics II	5 credits	(Prerequisite required)
CHM 111	General Chemistry I	4 credits	
CHM 111L	General Chemistry I Lab	0.5 credit	(Prerequisite required)
CHM 112	General Chemistry II	4 credits	(Prerequisite required)
CHM 112L	General Chemistry II Lab	0.5 credit	(Prerequisite required)
MTH 141	Calculus I	4 credits	(Prerequisite required)
MTH 142	Calculus II	4 credits	(Prerequisite required)
MTH 243	Calculus III	4 credits	(Prerequisite required)
MTH 212	Differential Equations	3 credits	(Prerequisite required)
PHY 180	Pre-Engineering Graphics	3 credits	
CSC 210	Computer Science I	3 credits	(Prerequisite required)
PHY 233	Modern Physics	3 credits	(Prerequisite required)
PHY 234	Modern Physics Laboratory	3 credits	(Prerequisite required)
PHY 251	Electronics	3 credits	(Prerequisite required)
PHY 252	Advanced Laboratory	3 credits	(Prerequisite required)
	Additional advanced courses in Physics	6 credits	(Prerequisite required)

Before transferring to the engineering school at which they will complete the work for their degree, pre-engineering students must complete:

- at least 92 credit hours of coursework at B-W
- the B-W core curriculum requirements.

Some of our affiliated schools require the completion of at least 3 courses in one area of the humanities or social sciences, with one of these courses being an upper level course.

Chemistry Based Engineering Areas

Computer Code: PNG

This major is designed for students interested in chemical engineering or one of the other chemistry-based engineering programs.

Minimum credits required: 63 at Baldwin-Wallace plus additional credits at the engineering school in which the program is completed.

BINARY PROGRAM IN ENGINEERING--cont'd next page

CHM 111	General Chemistry I	4 Credits	
CHM 111L	General Chemistry I Lab	0.5 Credit	(Prerequisite required)
CHM 112	General Chemistry II	4 Credits	(Prerequisite required)
CHM 112L	General Chemistry II Lab	0.5 Credit	(Prerequisite required)
PHY 131	General Physics I	5 Credits	
PHY 132	General Physics II	5 Credits	(Prerequisite required)
MTH 141	Calculus I	4 Credits	(Prerequisite required)
MTH 142	Calculus II	4 Credits	(Prerequisite required)
MTH 243	Calculus III	4 Credits	(Prerequisite required)
MTH 212	Differential Equations	3 Credits	(Prerequisite required)
MTH 314	Numerical Analysis	3 Credits	(Prerequisite required)
PHY 180	Pre-engineering Graphics	3 Credits	
CSC 210	Computer Science I	3 Credits	(Prerequisite required)
CHM 221	Quantitative Analysis	3 Credits	(Prerequisite required)
CHM 221L	Quantitative Analysis Lab	1 Credit	(Prerequisite required)
CHM 251	Organic Chemistry I	4 Credits	(Prerequisite required)
CHM 251L	Organic Chemistry I Lab	0.5 Credit	(Prerequisite required)
CHM 252	Organic Chemistry II	4 Credits	(Prerequisite required)
CHM 252L	Organic Chemistry II Lab	0.5 Credit	(Prerequisite required)
CHM 381	Physical Chemistry I	3 Credits	(Prerequisite required)
CHM 381L	Physical Chemistry I Lab	0.5 Credit	(Prerequisite required)
CHM 382	Physical Chemistry II	3 Credits	(Prerequisite required)
CHM 382L	Physical Chemistry II Lab	0.5 Credit	(Prerequisite required)

Before transferring to the engineering school at which they will complete the work for their degree, pre-engineering students must complete:

- at least 92 credit hours of coursework at B-W
- the B-W core curriculum requirements.

Some of our affiliated schools require the completion of at least 3 courses in one area of the humanities or social sciences, with one of these courses being an upper level course.

Physics Minor

A minor in physics requires a minimum of 20 credit hours of courses in physics. These must include PHY 131 and 132. An additional 10 credit hours of courses must be elected from the 200-400 level courses in physics.

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.

Course Descriptions

PHY 050 INDEPENDENT STUDY

One to six credit hours

See Independent Study Program, Section II.

PHY 070 FIELD EXPERIENCE/INTERNSHIP

Credit hours to be arranged

See Field Experience/Internship, Section II.

PHY 101 ACOUSTICS

Four credit hours

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.

PHY 102 TOPICS IN PHYSICS

Three credit hours

A study on an elementary level of specific topics in physics such as energy consumption and its implications, the environmental implications of physical principles, etc. This course is intended for students not majoring in science and assumes no prior background in mathematics or physics other than the normal college entrance requirements. Science majors interested in the area to be studied may find the course interesting on an audit or credit basis. Each topic is studied with emphasis on its relationship to the natural and physical sciences, the social sciences and the humanities. The following topic is currently offered:

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.

PHY 103 FRONTIERS OF PHYSICS

Three credit hours

A study of those areas of knowledge such as astrophysics, biophysics, geophysics, relativity, the nature of matter, and other topics which presently comprise the frontiers of physics. This course is intended for students not majoring in science and presupposes only a knowledge of elementary 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 105 PHYSICS IN EVERYDAY LIFE

Four credit hours

Offered only in the Weekend College.

A lecture-laboratory course in which the principles of physics are studied with particular attention paid to developing an understanding of phenomena encountered in daily life. The course assumes no prior background in mathematics or physics other than the normal college entrance requirements.

206 Physics

PHY 106 LIGHT, COLOR, VISION**Four credit hours***Offered only in the Weekend College*

A lecture-laboratory course. Optical phenomena found in nature, photography, color vision and holography are looked at 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, etc. The course assumes no prior background in mathematics or physics other than the normal college entrance requirements. Emphasis is placed on the connection between physics and everyday life. Physical phenomena are studied and explained through a combination of lectures-demonstrations-laboratory studies which include “envelope experiments” that can be completed at home.

PHY 107 SPACE FROM THE GROUND UP**Four credit hours***Offered Only In The Weekend College*

A lecture-laboratory course which is 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. Physical phenomena are studied and explained through a combination of lectures-demonstrations-laboratory studies which include “envelope experiments” which can be completed at home.

PHY 131, 132 GENERAL PHYSICS I, II**Five credit hours each**

The student is assumed to be familiar with the concepts and topics covered in the usual high school physics course, and to be familiar with or to be studying the basic concepts of differential and integral calculus.

A two-semester lecture-laboratory sequence providing an introduction to the physical principles underlying the areas of mechanics, electricity and magnetism, thermodynamics and optics.

PHY 180 PRE-ENGINEERING GRAPHICS**Three credit hours**

Does not count toward the fulfillment of the science portion of the core curriculum.

An introduction to engineering graphics and the design process. Emphasis is on how engineering drawings and graphics are utilized by engineering professionals. Computer-Assisted-Design utilizing AutoCad is emphasized.

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 263 SEMINAR**One to four credit hours**

Open to all students interested in physics

Reports and discussions of topics of interest in physics.

PHY 233 MODERN PHYSICS***Three credit hours***

The student is assumed to be familiar with those topics covered in PHY 131 and 132 as well as the basic concepts of differential and integral calculus. Physics and pre-engineering majors are required to take this course in conjunction with PHY 234.

A one-semester introduction to fundamental topics in the areas of relativity, the quantum theory, the physics of atoms and molecules, nuclear physics, solid state physics and elementary particle physics.

PHY 234 MODERN PHYSICS LABORATORY***Three credit hours***

To be taken in conjunction with PHY 233.

A laboratory course dealing with experimental investigations of phenomena in the areas of atomic and molecular physics, nuclear physics, solid state physics and elementary particle physics.

PHY 311 ELECTRONIC INSTRUMENTATION***Three credit hours***

The student is assumed to be familiar with those topics covered in PHY 131 and 132.

A lecture-laboratory course studying the principles of basic electronic devices and circuits. Analog circuits, circuit elements and operational amplifiers are studied followed by digital circuits and analog-to-digital conversion.

PHY 312 ADVANCED LABORATORY***Three credit hours***

The student is assumed to be familiar with those topics covered in PHY 131, 132, 233 and 234. May be repeated for credit with permission of the instructor.

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.

PHY 331, 332 PHYSICAL MECHANICS I, II***Three credit hours each***

The student is assumed to be familiar with those topics covered in PHY 131 and 132 as well as the basic concepts of differential and integral calculus.

A two-semester sequence in which the fundamental principles and techniques of statics, dynamics and the strength of materials are introduced and applied to the solution of problems.

PHY 361 ELECTROMAGNETISM***Four credit hours***

The student is assumed to be familiar with those topics covered in PHY 131 and 132 as well as the basic concepts of differential and integral calculus.

A study of electrostatics and magnetostatics. Includes topics dealing with the electric

field and potential, dielectric materials, multipole expansions, the magnetic field, Laplace's equation, and Maxwell's equations as time permits.

PHY 362 PHYSICS OF WAVES

Three credit hours

The student is assumed to be familiar with those topics covered in PHY 131 and 132 as well as the basic concepts of differential and integral calculus.

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.

PHY 371 THERMAL PHYSICS

Three credit hours

The student is assumed to be familiar with those topics covered in PHY 131 and 132 as well as the basic concepts of differential and integral calculus.

A study of the basic concepts and phenomena of thermodynamics and statistical mechanics including entropy, temperature, spin statistics, the Boltzmann and Gibbs distributions, chemical potential, the Maxwell relations and quantum statistics as time permits.

PHY 372 QUANTUM PHYSICS

Three credit hours

The student is assumed to be familiar with those topics covered in PHY 131 and 132 as well as the basic concepts of differential and integral calculus.

An introduction to the basic concepts and applications of quantum mechanics. Includes solutions to the Schrödinger 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.

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.

Political Science Major

Computer Code: POLS

Minimum credits required: 32, 15 of which must be taken at Baldwin-Wallace

Required courses:

POL 201	American National Government	4 credits
POL 211	International Politics	4 credits
POL 221	Modern Governments	4 credits
POL 231	Political Theory	4 credits
POL 240	Political Analysis	4 credits

Elective courses: At least four additional courses, totaling 12 semester hours, two of which (6 semester hours) 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 which follow.

Political Science Minor

Of the 17 hours offered for the minor, at least nine must be taken at Baldwin-Wallace.

Any student may minor in Political Science, with the following requirements:

Two courses from: POL 201, 211, 221, 231	8 credits
Two advanced courses at 300-400 level	6 credits
Any additional course	3 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 17 hours from:

Three courses from:	POL 201, 207, 211, 221, 231
Two courses from:	POL 301-309, 311, 314, and/or 321-329

Teaching Political Science

Some Political Science courses are required. Information relating to preparation for teaching in secondary schools may be obtained from the Division of Education.

Criminal Justice or International Studies Majors

Some Political Science courses are required. See requirements under those headings in this catalog.

Pre-Law Students

Students engaged in studies which will lead them to graduate study in law should also obtain a copy of the Pre-Law Education brochures available from the Department of Political Science.

Careers in Political Science

Career opportunities for Political Science majors are discussed in materials available in the Department offices—students who are majors or prospective majors should consult with the individual faculty members of the department for further information.

Course Descriptions

POL 050 INDEPENDENT STUDY

One to four semester hours

See Independent Study Program, Section II.

POL 070 FIELD EXPERIENCE/INTERNSHIP

Credit to be arranged

See Field Experience/Internship Program, Section II.

POL 100 INTRODUCTION TO POLITICAL SCIENCE

Three credit hours

An examination of the dynamics of contemporary politics in the world at large; the major forms of government; and problems of political change in both industrialized and developing countries. The course seeks to develop the student's ability to analyze and evaluate political issues and questions in the nation and the world.

POL 102 CONCENTRATION IN POLITICS

One to three credit hours

Prerequisite: POL 100

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 as they wish, as long as they do not repeat the same topic.

POL 200 HUMANS AND THE EARTH

Three credit hours

This course examines global environmental issues including biodiversity, climate, energy, and population. The course is interdisciplinary and seeks to identify problems and define solutions.

POL 201 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 202 MAJOR POLICY ISSUES***One to three credit hours***

Prerequisite: POL 201

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 203 CIVIL RIGHTS I***Two credit hours***

The development of the American Civil Rights movement from the time of slavery until the mid- twentieth century. Early steps toward equal justice under the law.

POL 204 CIVIL RIGHTS II***Two credit hours***

The great days of the American Civil Rights movement, from the Brown v. Topeka Supreme Court decision until the present time. Course particularly emphasizes US Supreme Court decisions.

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 foreign experiences.

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 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 211 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 and the North-South split. 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 214 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 221 MODERN GOVERNMENTS

Four credit hours

Required for all majors

A comparative examination of selected government systems illustrating the variety of political systems in the western and non-western world.

POL 228 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.
Offered alternate years.

POL 231 INTRODUCTION TO POLITICAL THEORY

Four credit hours

Required for all majors

An introductory study of origins and development of theories of politics from earliest writings to the present day, with special emphasis on the nineteenth and twentieth centuries.

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 263 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 201

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.

POL 302 POLITICAL PARTIES AND PRESSURE GROUPS***Three credit hours***

Recommended background: POL 201

An examination of the political process in its generic sense. 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.

POL 303 PUBLIC ADMINISTRATION***Three credit hours***

Recommended background: POL 201

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. Usually involves a group field project.

POL 304 URBAN POLITICS***Three credit hours***

Recommended background: POL 201

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 307 AMERICAN CONSTITUTIONAL LAW***Three credit hours***

Recommended background: POL 201 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 201 and 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 201 and 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 311 AMERICAN FOREIGN POLICY *Three credit hours*
Recommended background: POL 201 or 211

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. The aim of the course is to provide students with a basis for an intelligent examination of current foreign policy issues in the post Cold War world. Offered alternate years.

POL 314 COMPARATIVE FOREIGN RELATIONS *Three credit hours*
Recommended background: POL 211

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 studied. Offered alternate years.

POL 315 INTERNATIONAL ORGANIZATIONS *Two or three credit hours.*

A study of the growth, activities and processes of political influence in selected international organizations and their relation to the larger international political setting within which they function. Special emphasis is placed on the United Nations, European Union and the development of international law.

**POL 316 INTERNATIONAL ORGANIZATIONS:
CASE STUDIES** *One to three credit hours*
Prerequisite: POL 315

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 322 RUSSIA AND EASTERN EUROPE *Three credit hours*
Prerequisite: sophomore, junior or senior standing

An examination of post-communist Russia and other selected systems of Eastern Europe and the former Soviet Union. Offered alternate years

**POL 323 GOVERNMENT AND POLITICS IN THE
ENGLISH-SPEAKING CARIBBEAN** *Three credit hours*

A comparative study of governmental and political development, organization and practices in the Anglophone region of the Caribbean. Offered in alternate years.

POL 324 GOVERNMENT AND POLITICS OF LATIN AMERICA *Three credit hours*

A comparative study of governmental and political development, organization and practices of selected states in Latin America. Offered in alternate years.

**POL 325 POLITICS OF LATIN AMERICAN
AND CARIBBEAN DEVELOPMENT**

Three credit hours

A course on the historic and contemporary problems of political and economic development in Latin America and the Caribbean. Offered in alternate years.

POL 326 SPECIAL COMPARATIVE POLITICAL STUDIES *Two or three credit hours*

An examination of selected topics in comparative studies, including political systems such as democracy; political processes and political problems(like political development, revolution, etc.), and/or policy studies (like energy policy in industrial states, population policies, etc.). The course may be repeated when different subject areas are covered. Consult the Semester Course Schedule for applicable information.
Not offered every year.

POL 327 ASIAN POLITICAL SYSTEMS

Three credit hours

Prerequisite: Recommended sophomore, junior or senior standing

A study of the political systems of three major Asian countries: Japan, India and China. The historical and cultural settings, political institutions and major policy concerns of each system are among the topics examined. Offered in alternate years.

**POL 329 GOVERNMENT AND POLITICS
IN SUBSAHARAN AFRICA**

Three credit hours

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 339 SPECIAL TOPICS IN POLITICAL THEORY

Three credit hours

Prerequisite: POL 231 and/or PHL 101

An intensive examination of special topics in political philosophy. Subjects vary: human nature, violence, etc. Course might be repeated if subjects differ. Not offered every year.

**POL 359 SPECIAL METHODS IN THE TEACHING
OF POLITICAL SCIENCE**

Two credit hours

See EDU 359. Offered by the Division of Education, for those students contemplating Ohio licensure in Political Science teaching.

POL 363 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 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.

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: PSYH

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: 43 (plus prerequisites as indicated).

Required Courses

PSY 110	Principles of Psychology	4 credits
PSY 210	Professions in Psychology	1 credit (Prerequisite required)
PSY 279	Elements of Statistics	4 credits (Prerequisite required)
PSY 280	Research Methods I	3 credits (Prerequisite required)
PSY 281	Research Methods II	3 credits (Prerequisite required)
PSY 412	History & Systems of Psychology	4 credits (Prerequisite required)
SOC 281	SPSS: Data Analysis	4 credits (Prerequisite required)

Any one (1) of the following **Experimental** courses must be successfully completed:

PSY 301	Psychological Testing	4 credits (Prerequisite required)
PSY 303	Physiological Psychology	4 credits (Prerequisite required)
PSY 327	Psychology of Learning	4 credits (Prerequisite required)
PSY 328	Cognitive Processes	4 credits (Prerequisite required)
PSY 329	Sensation and Perception OR Appropriate Seminar	4 credits (Prerequisite required) 3 credits (Prerequisite required)

Any one (1) of the following **Social Psychology or Personality** courses must be successfully completed:

PSY 304	Personality Psychology	4 credits (Prerequisite required)
PSY 321	Human Relations and Group Dynamics	3 credits (Prerequisite required)
PSY 339	Social Psychology OR Appropriate Seminar	4 credits (Prerequisite required) 3 credits (Prerequisite required)

PSYCHOLOGY MAJOR--con'd next page

Any one (1) of the following **Developmental** courses must be successfully completed:

PSY 205	Developmental Psychology	3 credits (Prerequisite required)
PSY 315	Child Development	4 credits (Prerequisite required)
PSY 325	Adolescent Development	4 credits (Prerequisite required)
PSY 335	Adult Development and Aging OR	4 credits (Prerequisite required)
	Appropriate Seminar	3 credits (Prerequisite required)

Any one (1) of the following **Applied** courses must be successfully completed:

PSY 302	Abnormal Psychology	4 credits (Prerequisite required)
PSY 316	Child Psychopathology	3 credits (Prerequisite required)
PSY 320	Industrial/Organizational Psychology	4 credits (Prerequisite required)
PSY 326	Behavior Modification	3 credits (Prerequisite required)
PSY 373	Seminar in Clinical Experience	2 credits (Prerequisite required)
PSY 473	Clinical Experience OR	TBA (Prerequisite required)
	Appropriate Seminar	

Seminar requirements: Two seminars **or** any additional course(s) in Elective groups totaling at least six credits

Minor

Course requirements for the Psychology minor are: PSY 110 and any four upper level Psychology courses (excluding PSY 100 and PSY 210).

Course Descriptions

PSY 050 INDEPENDENT STUDY

See Independent Study Program, Section II.

Credit hours to be arranged

PSY 070 FIELD EXPERIENCE/INTERNSHIP

Credit hours to be arranged

See Field Experience/Internship, Section II.

PSY 100 APPLICATIONS OF PSYCHOLOGY

Three credit hours

This course may be taken to partially satisfy the general curriculum requirement in the social sciences. This course is designed for non-psychology majors only and does not count toward psychology major credit. Not open to students who have taken PSY 110.

A review of the data, concepts, and theories of psychology that contribute to our understanding of human functioning in a variety of settings. Specific topics addressed include stress and coping, interpersonal communication and relationships, personality development and gender, vocational development, mental and physical health, and psychotherapy.

PSY 101 SKILLS IN PSYCHOLOGY

One credit hour

Prerequisite: PSY 100. May not be taken for credit by students who have completed PSY 110 or an equivalent transfer course or by students who have completed 12

semester hours in psychology. This course may be taken to partially satisfy the core curriculum requirement in the social sciences.

This course is designed to provide students with the basic skills and knowledge necessary for a successful completion of the psychology major. These skills include a basic understanding of the scientific method, issues of critical thinking, familiarity with writing techniques used in psychology (as detailed in the *Publication Manual of the American Psychological Association*), the acquisition and understanding of psychology journal articles, and an overview of the research methods and empirical issues that are a part of the science of psychology.

PSY 110 PRINCIPLES OF PSYCHOLOGY

Four credit hours

This course may be taken to partially satisfy the core curriculum requirement in the social sciences, although it is recommended that non-majors enroll in PSY 100 to satisfy core curriculum requirements.

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.

PSY 205 DEVELOPMENTAL PSYCHOLOGY

Three credit hours

Prerequisite: PSY 100 or PSY 110. This course may be taken to partially satisfy the core curriculum requirement in the social sciences.

A course designed to help the student gain knowledge of the sequence of human development from conception and birth through infancy, childhood, adolescence, adulthood and aging. The impact of biological and interpersonal factors in the growth and maturation of the individual is considered.

PSY 210 PROFESSIONS IN PSYCHOLOGY

One credit hour

Prerequisite: PSY 100 or PSY 110. This course may be taken to partially satisfy the core curriculum requirement in the social sciences.

This course provides the student 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.

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 the 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.

PSY 261, 262, 263 SPECIAL TOPICS SEMINARS**Three credit hours***Prerequisites dependent on topic*

Seminars reflecting the depth & breadth of Psychology are offered periodically.

PSY 279 ELEMENTS OF STATISTICS**Four credit hours***Prerequisite: PSY 110, or PSY 100 and PSY 101. 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 I**Three credit hours***Prerequisite: PSY 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 RESEARCH METHODS II**Three credit hours***Prerequisite: PSY 280*

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.

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***Prerequisites: PSY 100 and PSY 304; or PSY 100 and PSY 101, or PSY 110 (PSY 304 highly recommended with PSY 110). This course may be taken to partially satisfy the core curriculum requirement in the social sciences.*

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 100 or PSY 110 or BIO 112 or BIO 203 or consent of instructor. This course may be taken to partially satisfy the core 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.

PSY 304 PERSONALITY PSYCHOLOGY***Four credit hours***

Prerequisite: PSY 100 or 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 315 CHILD DEVELOPMENT***Four credit hours***

Prerequisites: PSY 110, or PSY 100 and PSY 101, or PSY 100 and PSY 205. This course may be taken to partially satisfy the core curriculum requirement in the social sciences.

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 316 CHILD PSYCHOPATHOLOGY***Three credit hours***

Prerequisites: PSY 100 and PSY 101 and PSY 205, or PSY 110 and 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 100 or PSY 110. This course may be taken to partially satisfy the core curriculum requirement in the social sciences.

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 & 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 or PSY 100. This course may be taken to partially satisfy the core curriculum requirement in the social sciences.

A course designed to examine interpersonal relationships in small and large groups in

organizational settings. 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

Prerequisites: PSY 100 and PSY 205, or PSY 100 and PSY 101, or PSY 110 and PSY 205, or PSY 315. This course may be taken to partially satisfy the core curriculum requirement in the social sciences.

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: minimum of four psychology courses 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: minimum of four psychology courses 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 100 or 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 PSY 100 and PSY 101, 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 373 SEMINAR IN CLINICAL EXPERIENCE

Two credit hours

Prerequisites: Four Psychology courses including PSY 302.

Students meet weekly to study, discuss and experience techniques of interviewing, testing and counseling. At the same time, students typically spend six or more hours in a clinical setting. This experience is under the direct supervision of institutional personnel. Students may share this experience with the class and are expected to consult with and report to the instructor.

PSY 412 HISTORY AND SYSTEMS OF PSYCHOLOGY

Four credit hours

Prerequisite: PSY 281

This course covers the development of psychological thought through the ages, beginning in the pre-Socratic period. There is a heavy emphasis on critical analysis of the issues (for example, dualism, empiricism, etc) that have faced Psychology through time. This course fosters individualized student thought. In addition to a text book, original readings from the classics are emphasized and explored.

PSY 461, 462, 463 SEMINAR

Three credit hours

Prerequisite dependent on topic.

Advanced seminars reflecting the depth and breadth of Psychology are offered periodically.

PSY 473 CLINICAL EXPERIENCE

To be arranged

Prerequisites: PSY 373 and consent of the instructor

Students are assigned to a clinical setting for a learning and work experience. Students work under the supervision of the personnel in the institution to which they are assigned. Progress is assessed by consultation between the students, the institutional supervisor and the instructor.

PSY 491, 429 DEPARTMENTAL THESIS/PROJECT

Credit hours to be arranged

See Departmental Thesis/Project, Section II.

RELIGION

The curriculum of the Department of Religion is designed for the total campus community. The studies offered are an integral part of the Humanities Division of the College and reflect our commitment to a liberal arts education through humanistic studies.

The courses offered by the department are designed to acquaint students with the nature and function of religious thought and life. Several religious traditions in world culture are studied. Students aspiring to enter Christian vocations will find several courses of particular interest. Some courses may be clustered into study areas or concentrations, such as biblical studies or Christian theology.

Religion

Computer Code— RELG

Minimum credits required: 24 (plus prerequisites as indicated)

Required Courses

REL 103 Introduction to Religion 2 credits

Two different sections of the following:

REL 104 Concentration in Religion 2 credits (prerequisite required)

One of the following:

REL 105 Christian Faith and Thought 4 credits

REL 221 Christian Ethics 4 credits (prerequisite required)

Two of the following:

REL 202 Introduction to the Hebrew Bible/Old Testament 4 credits

REL 203 Jesus and the Gospels 4 credits

REL 204 Christianity in the New Testament 4 credits

REL 205 History of the Bible 4 credits

At least one elective course at the 300-400 level 2-4 credits (prerequisite required)

REL 499 Senior Project 2-4 credits

Minor

Students minoring in religion must complete a minimum of 18 credits of religion courses to be selected with a member of the Department of Religion faculty.

Course Descriptions

REL 050 INDEPENDENT STUDY

One to four credit hours

See Independent Study Program, see Section II.

REL 103 INTRODUCTION TO RELIGION***Two credit hours***

An introduction to religion and to the study of religion. The course will deal with questions such as the following: What is religion? What is the transcendent? How is religion experienced, both by individuals and by communities? What is the role of symbols in religion? How does religion provide models for life? How is religion expressed in word (e.g., myth, scripture, creed)? How is religion expressed in deed (e.g., ritual)? What is faith? How have understandings of religions changed through history?

REL 104 CONCENTRATION IN RELIGION***Two credit hours***

Prerequisite: REL 103

A concentrated study of a particular aspect of religion, a particular religious tradition, or an important individual in the history of religion. Students may repeat the course and register for as many different sections of REL 104 as they wish when different subject matter is presented. Sample courses: Buddhism, Hinduism, Islam, Native American Religion, Applied Ethics.

REL 105 CHRISTIAN FAITH AND THOUGHT***Four 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 110 JUDAISM***Two credit hours***

An introduction to modern Judaic faith, with emphasis on understanding the main themes of Jewish faith and practice in the contemporary world.

REL 111 MODERN RELIGIOUS ISSUES***Two to four credit hours***

A course designed to relate religious faith and values to modern problems. Subjects will be announced in advance. Sample courses: The Holocaust and the State of Israel; What Jews Believe; Jewish Fiction; The African-American Church; Martin and Malcolm; Sexual Morality; Problems in Ethics; Eastern Church Traditions. This course may be repeated for credit when different subject matters are presented.

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 202 INTRODUCTION TO THE HEBREW
BIBLE/OLD TESTAMENT*****Four 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 203 JESUS AND THE GOSPELS***Four 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 204 CHRISTIANITY IN THE NEW TESTAMENT

Four credit hours

A study of the birth of Christianity, as portrayed in the letters of Paul and the Acts of the Apostles.

REL 205 HISTORY OF THE BIBLE

Four credit hours

A study of the formation and use of the Bible through the centuries and of the impact it has had on western culture. Topics such as the following will be addressed: the manuscript traditions of the Bible, the development of the canon, theories of the authority and inspiration of scripture, the history of translation and interpretation, and the history of the English Bible.

REL 209 CHURCH HISTORY

Three credit hours

A study of selected topics in the history of the Christian Church, from the close of the Apostolic Age to the present. Attention is centered on the evolution of ecclesiastical institutions, the emergence of Christian theology and Christian biography. See HIS 209. May be taken for either Religion or History credit but not both.

REL 210 RELIGIOUS TRADITIONS OF AMERICA

Three credit hours

An historical and analytical study of the major aspects of the American religious experience. Special emphasis is given to an understanding of the contemporary religious scene. Offered in alternate years.

REL 221 CHRISTIAN ETHICS

Four credit hours

Prerequisite: REL 105; or REL 103 and REL 104; or consent of the instructor.

A course designed to study major forms of ethical thought within the Christian tradition. Christian ethical perspectives will be examined in the light of contemporary ethics and moral philosophy. The implications of these areas of study will be related to special current issues and moral problems.

REL 228 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 230 MODERN SPIRITUAL PATHS

Three credit hours

In this course students will read and discuss influential modern spiritual writings. Examples of authors are: Mohandas Gandhi, Abraham Heschel, Thomas Merton, and Dietrich Bonhoeffer. Additional audio-visual resources will be used.

REL 240 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 263 SEMINAR

Two to four credit hours

Subjects will be announced in advance. Sample topics: Women's Spirituality; World Religions; Generosity and Justice.

REL 313 TOPICS IN BIBLICAL STUDIES

Three to four credit hours

Prerequisite: Previous coursework in biblical studies.

A study of a biblical book, a theme or issue in biblical studies, or a particular approach to biblical studies.

REL 314 TOPICS IN CHRISTIAN THEOLOGY

Three to four credit hours

Prerequisite: Previous coursework in theology.

A study of a theme in Christian theology, or one theological movement, or selected theologians.

REL 369 PHILOSOPHY OF RELIGION

Four credit hours

Prerequisite: PHL 101 or consent of the instructor.

This course looks at the nature of religion, the relationship between religion, philosophy, and science, the problem of faith and reason, and contemporary issues involved with religious language. See PHL 369. Offered in alternate years.

REL 463 SEMINAR

Three to four credit hours

Offered to advanced and qualified students.

Seminars for research, study and discussion of special biblical, theological, or other topics will be scheduled. Sample topics: Religion and Societies of the Middle East; Gospel of Mark.

REL 491, 492 DEPARTMENTAL THESIS/PROJECT

Credit hours to be arranged

See Departmental Thesis/Project, Section II.

REL 499 SENIOR PROJECT

Two to four credit hours

Each religion major must complete a senior project, independently designed in consultation with a member of the Religion Department. Usually the senior project will take the form of a major research paper.

SOCIAL WORK AFFILIATED PROGRAM

This is a three + two affiliation with Case Western University, leading to a bachelor's degree from Baldwin-Wallace and a master's degree in social service administration (professional social work) from Case Western Reserve University (CWRU). 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 Absentia Program at the Mandel School of Applied Social Sciences at CWRU.

At the successful completion of the first year (30 semester credit hours) of the graduate program at CWRU, Baldwin-Wallace will award the B.A. CWRU will award the MSSA at the successful completion of the graduate program, at which time the student has the academic qualifications for certification as a Licensed Independent Social Worker in the State of Ohio. Persons holding a master's degree in social 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 or a member of the Admission counseling staff.

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 3.2 or higher
- Minimum of 94 credit hours of undergraduate course work completed prior to admission to CWRU's Mandel School of Applied Social Sciences (transfer students 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 33 at Baldwin-Wallace in either Sociology or Psychology (plus prerequisites as indicated):

Recommended Sociology Curriculum at Baldwin-Wallace

SOC 100 Principles of Sociology <u>OR</u>	4 credits
SOC 106 Organizations	3 credits
SOC 181 Cultural Anthropology	3 credits
SOC 201 Social Problems	4 credits
SOC 280 Sociological Research Methods	4 credits (Prerequisite required)
SOC 281 SPSS: Data Analysis	4 credits (Prerequisite required)
SOC 301 Class, Status, and Power (social stratification)	3 credits (Prerequisite required)
SOC 313 Criminology	3 credits (Prerequisite required)

SOC 315 Sociological Theory	3 credits (Prerequisite required)
PSY 279 Elements of Statistics	4 credits (Prerequisite required)

Remaining elective credits beyond the liberal arts core and the major should be taken in Psychology.

Recommended Psychology Curriculum at Baldwin-Wallace

PSY 110 Principles of Psychology	4 credits
PSY 205 Developmental Psychology	3 credits (Prerequisite required)
PSY 279 Elements of Statistics	4 credits (Prerequisite required)
PSY 280 Psychological Research Methods I	3 credits (Prerequisite required)
PSY 281 Psychological Research Methods II	3 credits (Prerequisite required)
PSY 301 Psychological Testing	4 credits (Prerequisite required)
PSY 302 Abnormal Psychology	4 credits (Prerequisite required)
PSY 412 History and Systems	4 credits (Prerequisite required)
SOC 281 SPSS: Data Analysis	4 credits (Prerequisite required)

Remaining elective credits beyond the liberal arts core and the major should be taken in Sociology.

Required: one course in the biological functioning of the human body.

SOCIOLOGY & ANTHROPOLOGY

Courses in sociology and anthropology acquaint the student with a scientific approach to the study of social institutions and human relationships. Changing family roles, development of occupational careers, dynamics of behavior in bureaucracies, the nature of deviant, criminal and delinquent behavior and the consequences of an aging population are examples of the wide scope and contemporary relevance of sociology. This department offers a strong emphasis on research and data analysis with direct relevance for employment as well as graduate school.

The department offers several areas of knowledge and skill development. Some students select a double major, linking sociology with related disciplines such as business, psychology, political science, criminal justice, or communications.

Sociology & Anthropology

Computer Code: SOCY

Minimum credits required: 41 (plus prerequisites as indicated)

Required courses: Minimum of 29

SOC 100 Principles of Sociology OR	4 credits
SOC 106 Organizations	3 credits
SOC 280 Research Methods	4 credits (Prerequisite required)
SOC 281 SPSS: Data Analysis	4 credits (Prerequisite required)

SOCIOLOGY & ANTHROPOLOGY--cont'd next page

SOC 303 Urban Community	4 credits	(Prerequisite required)
SOC 313 Criminology	3 credits	(Prerequisite required)
SOC 315 Sociological Theory	3 credits	(Prerequisite required)
SOC 400 Applied Sociological Research	3 credits	(Prerequisite required)
SOC 450 Sociology Proseminar	2 credits	(Prerequisite required)

Choice of one:

PSY 279 Elements of Statistics	4 credits	(Prerequisite required)
ECN 279 Elements of Statistics	4 credits	(Prerequisite required)
MTH 135 Introduction to Probability/ Statistics	3 credits	(Prerequisite required)

Required Sociology Elective credits: Minimum of 12-13

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 credit requirement. 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 Class, Status, Power; 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 Section VIII for 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* (see page 157). 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 non-profit 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 and field experiences 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 and Anthropology 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" presently includes courses such as "Sociology of Sport," "Sociology of Religion," "Death and Dying," etc.; 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 "Social Policies on Aging," "Race and Racism from a Socio-Anthropological Perspective," etc.

Minor

A minor in sociology requires SOC 100 or SOC 106 and at least two courses from SOC 201, 301, 302 and 313, plus additional courses to total at least 17 credit hours. A minimum of three sociology courses must be taken at Baldwin-Wallace. No more than 4 hours (combined) of SOC 050 and SOC 070 credit may be counted toward the minor.

Course Descriptions

SOC 050 INDEPENDENT STUDY

One to Four credit hours

See Independent Study Program, Section II.

SOC 070 FIELD EXPERIENCE

Credit hours to be arranged

See Field Experience/Internship Program, Section II.

SOC 100 PRINCIPLES OF SOCIOLOGY

Four credit hours

An introductory course in Sociology, this course introduces students to the nature and scope of sociology, including systematic treatment of educational, familial, political, economic and religious institutions, social problems, social change, and social control. The influence of groups and social setting on individual attitudes and behaviors is also covered. Students use the computer lab to conduct analysis of data during the course. In the computer lab, students are shown and taught to use some of the same research techniques and data available to professional researchers.

SOC 106 ORGANIZATIONS

Three credit hours

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 180 ARCHEOLOGY AND HUMAN EVOLUTION

Three credit hours

The 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 181 CULTURAL ANTHROPOLOGY

Three credit hours

An 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 201 SOCIAL PROBLEMS

Four credit hours

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 global level, such as poverty, drug abuse, health care, population, warfare and the environment. Possible solutions to these problem issues are also explored. Working collaboratively with the Community Outreach Office at Baldwin-Wallace College, students enrolled in this course will work in various social agency programs, addressing social problems in the community's metropolitan area. Learning in this off-campus setting will be critically analyzed and applied in the classroom.

SOC 206 CRIME IN ORGANIZATIONS

Three credit hours

Prerequisite: SOC 100 or CRJ 165 or SOC 106

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 212 FAMILIES, COUPLES AND SINGLES (previously SOC 312)

Three credit hours

Prerequisite: SOC 100 or SOC 106

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.

SOC 223 JUVENILE DELINQUENCY & THE JUVENILE JUSTICE SYSTEM

Three credit hours

(cross-listed as CRJ 223)

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 TOPICS IN SOCIOLOGY

Three credit hours

Prerequisite: SOC 100 or SOC 106

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, Death and Dying.

SOC 280 RESEARCH METHODS

Four credit hours

Prerequisite: SOC 100 or SOC 106 or consent of the instructor. Required of all Sociology majors.

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 be expected 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 general, students can be expected to enhance their skills in the areas of research and problem-solving.

SOC 281 SPSS: DATA ANALYSIS

Four credit hours

Prerequisite: PSY 279 or ECN 279 or MTH 135, and a research course 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, develop scales and analyze relationships in the data. Students learn how to use a wide variety of charts to graphically display data. SPSS is the computer program most commonly used for the analysis of research in all of the social sciences and in marketing research departments in business. All classes are conducted in a computer lab. Students may use their own data for the term project.

SOC 290 GENDER ROLES

Three credit hours

Prerequisite: SOC 100 or SOC 106

This course is an introduction to the sociological study of gender. Investigated are the social construction and maintenance of gendered identities and a gender-stratified society. Among the topics examined are: childhood socialization; gendered images in the media; gender inequalities in marriage and family; inequities in work and economy; power and politics; and crime and deviance. Both macro- and micro-viewpoints are emphasized. The focus is primarily on the contemporary United States, but references to other countries, particularly Third World countries, will be made where appropriate.

SOC 301 CLASS, STATUS & POWER

Three credit hours

Prerequisite: SOC 100 or SOC 106

This course will examine some dominant forms of inequalities, their causes, and some

of the social consequences of inequalities. The course will explore the ways in which these impact life in the United States and other nations. Upon completion of the course, a student can be expected to be fairly knowledgeable in intermediate level concepts of social inequalities seen from a sociological perspective; forms, causes, and consequences of inequalities; sociological data interpretation; and cross-cultural perspectives on these issues. Students can be expected to enhance their skills in the areas of critical thinking, written expression, and research.

SOC 302 RACIAL & CULTURAL MINORITIES

Three credit hours

Prerequisite: SOC 100 or SOC 106

This course examines minority groups in a number of modern nations, with emphasis on both the social structure and the social psychology of interpersonal relations. African Americans, Hispanics, and ethnic groups in the U.S. are presented as a comparative base for the study of minority groups in South Africa, Northern Ireland, Brazil, Canada and other countries.

SOC 303 URBAN COMMUNITY LIFE

Four credit hours

Prerequisite: SOC 100 or SOC 106. Required for all Sociology majors

This course presents an overview of the historical development of the urban community. The dynamics of urbanism are studied, including characteristic social features, population shifts and changes, different life styles and urban ecology, as well as an overview of some of the major structural components of health, education, government, the economy, welfare and recreation in contemporary urban communities. An integral component of this course will involve work in the community coordinated through the Community Outreach Office. The various contexts in which the students work will comprise the off-campus setting for students to actively participate in the community—applying and integrating knowledge acquired in the classroom with actual programs, social policy, and concerns of the urban community.

SOC 310 WORK IN AMERICA (previously SOC 213)

Three credit hours

Prerequisite: SOC 100 or SOC 106

An examination of the meaning of work through the findings of empirical research. Executives, professionals, middle managers, skilled and unskilled workers and the unemployed are studied to learn how the tasks, personal associations and social status connected with work influence values, life style and family relationships. Students' own work experience and career goals are incorporated into the course.

SOC 313 CRIMINOLOGY

Three credit hours

Prerequisite: SOC 100 or SOC 106. Required of all Sociology majors (cross-listing CRJ 313)

This course focuses on the sociological study of crime. The course includes an examination of the nature of criminal laws, the variety of theoretical explanations for criminal behavior, the measurement of crime, patterns of crime, and the mechanisms for control of criminal behavior.

SOC 315 SOCIOLOGICAL THEORY**Three credit hours**

Prerequisite: SOC 100 or SOC 106, plus 2 additional courses in sociology. Required of all Sociology majors.

Historical development of the concepts of sociology and theories of society are studied: Marx, Weber, Durkheim. Recent theorists such as Dahrendorf and Collins are covered, as well as the logic of theory construction.

SOC 317 SOCIOLOGY OF DEVIANCE**Three credit hours**

Prerequisite: SOC 100 or SOC 106

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 344 AGING AND SOCIETY (previously SOC 217)**Three credit hours**

Prerequisite: SOC 100 or SOC 106

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 covered, such as family relationships, personal growth in later years, sex and aging, crime and the elderly, aging and economics, retirement, and death and dying.

SOC 345 MEDICAL SOCIOLOGY**Three credit hours**

Prerequisite: SOC 100 or SOC 106

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 doctor/patient interaction and to the medical professions in changing societies, and to 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 100 or SOC 106

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, etc.

SOC 361 CORRECTIONS
(cross listed as CRJ 361)

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 400 APPLIED SOCIOLOGICAL RESEARCH

Three credit hours

Prerequisite: SOC 280. 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 418 SOCIAL MOVEMENTS

Three credit hours

Prerequisite: SOC 100 or SOC 106, 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. Required of all Sociology majors.

Students prepare a portfolio containing a résumé, 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. Discussions and brief papers will integrate concepts and theories from courses in the major.

SOC 465 SEMINAR: PERSPECTIVES ON VIOLENCE

Three credit hours

Prerequisite: SOC 100 or SOC 106, plus 2 additional courses in sociology

This course is an interdisciplinary inquiry into where violence occurs, its patterns and correlates, its various forms such as interpersonal and collective violence and attempts to control its occurrence.

SOC 263 and 463 SEMINARS IN SOCIOLOGY

One to Four credit hours

Offered occasionally on a variety of topics.

SPEECH COMMUNICATION AND THEATRE

Broadcasting Major

Computer Code: SCBR

This major blends the practical experience, skills and learned strategies essential in the radio and television industry. Students will combine academic coursework with “on-air” experience. Students who complete this major are expected to be proficient in the skills required for success in broadcasting.

Minimum credits required: 50 (plus prerequisites as indicated).

Required courses:

SCB 070	Field Experience/Internship	credit hours to be arranged
(Five semester hours completed in two separate internships)		
SCB 126	Introduction to Broadcasting	3 credits
SCB 163	Participation at WBWC	3 credits
(A maximum of three hours completed in two successive semesters)		
SCB 226	Radio & TV Announcing	2 credits
SCB 227	Audio Production	3 credits
SCB 326	Radio & TV Newswriting	3 credits
SCB 327	Television Production	3 credits
SCB 426	Broadcast Programming	3 credits
SCB 427	Broadcast Management, Marketing & Sales	3 credits
SCB 428	Broadcast Law & Ethics	3 credits
SCC 107	Media Communication	3 credits
SCC 112	Oral Communication	3 credits
SCC 212	Advanced Oral Communication	3 credits (Prerequisite Required)
SCC 411	Recital	2 credits
SCC 412	Applied Studies in Communication	2 credits

Requirements in other departments include ENG 132 and BUS 333.

There is no minor program in broadcasting.

Speech Communication Major

Computer Code: SCCM

The major in speech communication is designed to provide the student with the opportunity to develop oral communication skills within a framework of communication theory.

Minimum credits required: 34 (plus prerequisites as indicated).

Required courses:

SCC 070	Field Experience/Internship	3 credits
SCC 105	Intro to Communication Processes & Problems	3 credits

SPEECH COMMUNICATION MAJOR--Cont'd next page

SCC 107	Media Communication	3 credits
SCC 112	Oral Communication	3 credits
SCC 202	Interpersonal Communication	3 credits (Prerequisite Required)
SCC 207	Group Communication & Leadership	3 credits (Prerequisite Required)
SCC 212	Advanced Oral Communication	3 credits (Prerequisite Required)
SCC 306	Business & Professional Speaking	3 credits (Prerequisite Required)
SCC 410	Persuasion	3 credits (Prerequisite Required)
SCC 411	Recital	2 credits
SCC 412	Applied Studies in Communication	2 credits
SCC 413	Organizational Communication	3 credits (Prerequisite Required)

Minor

The minor in speech communication includes SCC 105, 107, 112, 207 and 212. Total credits required: 15

Speech Communication/Disorders Emphasis Computer Code: SCCM

The disorders emphasis, 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 Pathology and Ideology, or a career in an allied field.

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

Required courses:

SCC 105	Introduction to Communication Processes & Problems	3 credits
SCC 107	Media Communication	3 credits
SCC 112	Oral Communication	3 credits
SCC 202	Interpersonal Communication	3 credits (Prerequisite Required)
SCC 207	Group Communication & Leadership	3 credits (Prerequisite Required)
SCC 212	Advanced Oral Communication	3 credits (Prerequisite Required)
SCC 411	Recital	2 credits (Prerequisite Required)
SCC 412	Applied Studies in Communication	2 credits

Additional Specialized Courses

SCC 220	Introduction to Speech Pathology & Normal Speech Language Develop.	3 credits
SCC 331	Phonetics	3 credits
SCC 320	Language & Speech Disorders	3 credits
SCC 321	Anatomy & Physiology of Speech & Hearing Mechanisms	3 credits
SCC 420	Audiology & Aural Rehabilitation	3 credits

Requirements in other departments include PSY 100, 205 and 302 and PHY 101.

There is no minor in communications disorders.

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Theatre Major

Computer Code: SCTH

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: 47 (plus prerequisites as indicated).

Required courses:

SCT 100	Introduction to Theatre	3 credits
SCT 170	Vocal Training	2 credits
SCT 180	Stagecraft	3 credits
SCT 191	Classic Theatre Literature	3 credits
SCT 192	Modern Theatre Literature	3 credits
SCT 271	Directing	3 credits (Prerequisite Required)
SCT 272	Acting	3 credits (Prerequisite Required)
SCT 282	Scenic Design	2 credits (Prerequisite Required)
SCT 283	Lighting Design	2 credits (Prerequisite Required)
SCT 285	Costuming	2 credits (Prerequisite Required)
SCT 288	Theatre History I	4 credits (Prerequisite Required)
SCT 289	Theatre History II	4 credits (Prerequisite Required)
SCT 370	Collaborative Studies in Theatre	3 credits (Prerequisite Required)
SCT 372	Building a Character	3 credits (Prerequisite Required)
SCT 384	Stage Management OR	2 credits (Prerequisite Required)
SCT 386	Theatre Management	2 credits (Prerequisite Required)

Required Courses in other areas include HPE 171 Basic Stage Movement and three additional hours of HPE activities courses are also required.

Note: For the Interdisciplinary Major in Communications for Continuing Education, see Communications, page 84.

Minor

The theatre minor includes: SCT 100, 162 (2 hours), 151, 180, 191, or 192 and 271. Total credits required: 16.

Course Descriptions

Broadcasting

SCB 050 INDEPENDENT STUDY

Credit hours to be arranged

See Independent Study Program, Section II.

SCB 070 FIELD EXPERIENCE/INTERNSHIP

Credit hours to be arranged

Required of all broadcasting majors.

Practical experience in any area of broadcasting. See Field Experience/Internship, Section II.

SCB 126 INTRODUCTION TO BROADCASTING *Three credit hours*
Required of all broadcasting majors

An analysis of the nature and scope of radio and television broadcasting, with emphasis on historical development and on the basic principles, theories, and processes of these media. Attention is given to new technology.

SCB 163 PARTICIPATION AT WBWC *One to three credit hours*
Required of all broadcasting majors.

Students may work at the College radio station, WBWC, for S/U credit as disc jockeys, in broadcasting news or in other station departmental activities as approved by the station management and the advisor to the station. Registration with advisor's approval only.

SCB 226 RADIO & TV ANNOUNCING *Two credit hours*
Required of all broadcasting majors.

A study of the principles of radio and TV announcing. Individual practice in voice production for radio & TV is stressed. Venues for radio and television announcing are examined.

SCB 227 AUDIO PRODUCTION *Three credit hours*
Required of all broadcasting majors.

The study of audio/radio production principles and practices combined with acquisition of skill in complex and multileveled production board operations. The course places additional focus on directing, producing, editing, and critical evaluation of programming elements and styles.

SCB 263 SEMINAR *Two to four credit hours*

The study of current topics of concern in broadcasting. May be repeated more than once, provided the subject or topic is different.

SCB 326 RADIO & TV NEWSWRITING *Three credit hours*
Required of all broadcasting majors.

A study of the principles of radio & TV news writing. News articles and events are analyzed and practice in newswriting is stressed. Attention also is given to story development, research, interviewing and follow-up.

SCB 327 TELEVISION PRODUCTION *Three credit hours*
Required of all broadcasting majors.

The exploration of elementary video production principles, practices, and operations. Emphasis is placed on laboratory elements of scripting, lighting, audio, camera, switching, editing, character generator, and chromakey. Practical experience in producing video projects.

SCB 426 BROADCAST PROGRAMMING *Three credit hours*
Required of all broadcasting majors.

This course examines current television and radio programming principles, practices

and strategies including examination of multidimensional and bimodal appeals, scheduling tactics and rationales, and program evaluation and restraints. New trends and developments in the industry also are given attention. Offered in alternate years.

**SCB 427 BROADCAST MANAGEMENT,
MARKETING AND SALES** *Three credit hours*
Required of all broadcasting majors.

A study of the business of broadcasting including an analysis of principles, processes, and operations in the organizational environment. Emphasis is given to the role of management, the profit factors, the evaluation of proposal-making and marketing data, and the imperative relationship of marketing to sales. Offered in alternate years.

SCB 428 BROADCAST LAW AND ETHICS *Three credit hours*
Required of all broadcasting majors.

An exploration of broadcast regulations, law, and ethics with emphasis given to their evolution and their impact on broadcasting and society over time. Current issues including First Amendment law, libel, slander, obscenity, copyright, etc. are also analyzed. Offered in alternate years.

SCB 463 SEMINAR *Two to four credit hours*

An advanced current topic in broadcasting. May be repeated, provided that the topic is different.

Speech Communication

SCC 050 INDEPENDENT STUDY *Credit hours to be arranged*

See independent Study Program, Section II.

SCC 070 FIELD EXPERIENCE/INTERNSHIP *Credit hours to be arranged*

Can consist of practical and/or clinical experience in any area of communications. See Field Experience/Internship Program, Section II.

**SCC 105 INTRODUCTION TO COMMUNICATION
PROCESSES AND PROBLEMS** *Three credit hours*
Required of all general communication majors.

An introduction to normal and abnormal communication processes including speech, language, voice production and hearing. Includes a basic review of normal anatomy, diagnosis of abnormalities and remediation in the aforementioned areas.

SCC 107 MEDIA COMMUNICATION *Three credit hours*
Required of all broadcasting and communication majors.

An analysis of selected movies and TV genres as examples of the best in the mass entertainment media. Movies and TV programs will be viewed and discussed in order to establish criteria for evaluating and setting of standards in these two media.

SCC 112 ORAL COMMUNICATION**Three credit hours**

This course is the introductory speech communication course and a prerequisite for all upper level speech courses. Required of all speech communication and broadcast majors and of all speech communication minors.

A practical general course introducing the elements of speaking in public. Emphasis on ethics in public speaking, controlling nervousness, the importance of listening, audience analysis, speech purposes, selecting and researching topics, speech organization, language for oral style, delivery techniques including non-verbal communication skills, and use of basic support visuals. Student assignments will move from simple to relatively complex presentations.

SCC 134 SIGN LANGUAGE I**Two 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. This is a vocabulary course.

SCC 202 INTERPERSONAL COMMUNICATION**Three credit hours**

Prerequisite SCC 112. Required of all speech communication majors

An introduction to one-to 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 multi-cultural variables. Listening, conflict management, and self-presentation are included.

SCC 207 GROUP COMMUNICATION AND LEADERSHIP**Three credit hours**

Prerequisite SCC 112. Required of all Speech Communication majors.

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.

SCC 212 ADVANCED ORAL COMMUNICATION**Three credit hours**

Prerequisite SCC 112. Required of all speech communication and broadcasting majors.

The primary objective of this course is 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 will be a main focus. Students will design and carry out a pilot study.

SCC 217 PERCEPTIVE LISTENING**Three credit hours**

A practical course designed to combine current theory about the listening process with experiential exercises to guide the student to improve personal use of that process. A variety of listening situations are studied, from casual conversation to the critical, structured public address. Emphasis is on acquiring skills as a discriminative, evaluative, empathic and appreciative listener.

SCC 220 INTRODUCTION TO SPEECH PATHOLOGY AND NORMAL SPEECH AND LANGUAGE DEVELOPMENT *Three credit hours*

Required of all speech communication majors with a disorders emphasis.

An introductory course covering speech pathology as a career including professional requirements, ethics, standards and licensing laws as well as a survey of normal language and speech development.

SCC 263 SEMINAR

Two to four credit hours

The study of current topics of concern within the communication area. May be repeated more than once provided the subject or topic is different.

SCC 306 BUSINESS & PROFESSIONAL SPEAKING

Three credit hours.

Prerequisite SCC 112. Required of all speech communication majors.

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.

SCC 320 LANGUAGE AND SPEECH DISORDERS

Three credit hours

Required of all communication majors with a disorders emphasis.

A study of causes, diagnoses, and remedial procedures for disorders in the areas of voice, normal language and speech development in children, and disruption of functions in those areas in adults.

SCC 321 ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING MECHANISMS

Three credit hours

Required of all communication majors with a disorders emphasis

A study of the nervous system, ear, laryngeal, respiratory and orofacial processes.

SCC 331 PHONETICS

Three credit hours

Required of all communication majors with a disorders emphasis.

A study of the production of speech sounds based on the International Phonetic Alphabet. General American dialect is emphasized through practice in broad and narrow transcription techniques. Other major dialects of American English, abnormal speech sounds and foreign dialect are studied comparatively.

SCC 334 AMERICAN SIGN LANGUAGE (AMESLAN)

Three credit hours

Prerequisite SCC 134

A study of sign language and fingerspelling with emphasis on receptive and expressive message clarity, comprehension of AMESLAN syntax and semantics, and facility in encoding and decoding. Some attention is given to the idiomatic aspects of sign language as used by the deaf population (1400-1500 signs).

SCC 335 CLINICAL PRACTICE

One to three credit hours

A practical application of therapeutic knowledge and techniques in various clinical settings both on and off the campus.

SCC 410 PERSUASION***Three credit hours****Prerequisite SCC 112. Required of all speech communication majors*

A course designed to promote awareness of persuasive stimuli based on modern research in behavioral science. Basic kinds of arguments and types of reasoning are included. Campaign strategies are studied.

SCC 411 RECITAL***Two credit hours****Required of all speech communication and broadcasting majors. Majors only may register. SCC 411 should be taken concurrently with SCC 412.*

A 50-minute presentation demonstrating expertise in the student's major area. Speech and Broadcasting majors must write, research, plan and deliver a program in a subject area of choice. Theatre majors may demonstrate directing, performance, design or technical skills. An individual program is expected to be 50 minutes in length.

SCC 412 APPLIED STUDIES IN COMMUNICATION***Two credit hours****Required of all communication and broadcasting majors. This course should be taken concurrently with SCC 411.*

The course focuses on the development of research projects in speech communication based on established procedures and/or designs.

SCC 413 ORGANIZATIONAL COMMUNICATION***Three credit hours****Prerequisite: Junior status, SCC 112, or consent of the instructor. Required of all speech communication majors.*

This course surveys the uses of communication in a business or service organization. Such topics as channels, networks, message sending and receiving, leadership styles, conflict management and interviewing are studied and practiced in front of the class.

SCC 420 AUDIOLOGY AND AURAL REHABILITATION***Three credit hours****Required of all communication majors with a disorder emphasis.*

A study of audiology, instrumentation, diagnosis, hearing disorders and basic rehabilitation procedures for hearing impaired populations.

SCC 463 SEMINAR***Two to four credit hours***

An advanced current topic in communication. May be repeated, provided that the topic is different.

Theatre**SCT 050 INDEPENDENT STUDY*****Credit hours to be arranged***

See Independent Study Program, Section II.

SCT 070 FIELD EXPERIENCE/INTERNSHIP***Credit hours to be arranged***

Practical experience in any area of theatre. See Field Experience/Internship Program, Section II.

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SCT 100 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.

SCT 120 HISTORY OF FILMS *Three credit hours*

A study of the history of cinema from its beginnings to the present day. Representative films are shown in class.

SCT 151 ACTING FOR NON-MAJORS *Two credit hours*

A basic course designed to introduce non-majors to the principles of acting. Emphasis is placed on body control, interpretation, improvisation and scene work.

SCT 154 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.

SCT 161 ON-STAGE EXPERIENCE *One credit hour*

Within a week after being cast in a play, a student may register for credit for on-stage experience. Graded S/U.

SCT 162 BACKSTAGE EXPERIENCE *One to two credit hours*
Required of theatre minors.

A student may register for backstage work on plays being offered during the semester. Registration with instructor's approval only. Graded S/U.

SCT 170 VOCAL TRAINING *Two credit hours*
Required of all theatre majors

A practical course designed to liberate and develop the natural speaking voice. The Linklater method is taught with emphasis on breathing, sound production, resonance, range, power, articulation, sensitivity, and mind/body unity.

SCT 180 STAGECRAFT *Three credit hours*
Required of all theatre majors.

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.

SCT 191 CLASSIC THEATRE LITERATURE *Three credit hours*
Required of all theatre majors

Course work includes selected readings from those periods which provide the "classic" repertoire for the theatre, from the Greek era to the advent of "realism" in the mid-nineteenth century. Course emphasis is on interrelationships between the literature of theatre and its performance. Offered in alternate years.

SCT 192 MODERN THEATRE LITERATURE**Three credit hours***Required of all theatre majors.*

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. Offered in alternate years.

SCT 201 INTERPRETIVE READING**Two credit hours**

Analysis and vocal interpretation of selected passages from literature, prose, poetry and drama.

SCT 263 SEMINAR**Two to four credit hours**

The study of current topics of concern within the theatre area. May be repeated more than once, provided the subject or topic is different.

SCT 271 DIRECTING**Three credit hours**

Required of all theatre majors and minors. Prerequisite: SCT 100, 170, and HPE 171. Non-majors must have permission from the instructor.

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.

SCT 272 ACTING**Three credit hours**

Required of all theatre majors. Prerequisite: SCT 100, 170 and HPE 171.

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.

SCT 273 AUDITION**Two credit hours**

Prerequisite: SCT 100, 272

A course examining methods of audition preparation in commercial, community and educational theatre situations. The student will prepare a performance résumé and be expected to prepare both classic and modern audition pieces.

SCT 282 SCENIC DESIGN**Two credit hours**

Required of all theatre majors. Prerequisite: SCT 100, 180

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, with emphasis on execution of renderings and model-making. Offered in alternate years.

SCT 283 LIGHTING DESIGN**Two credit hours**

Required of all theatre majors. Prerequisite: SCT 100, 180

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 in alternate years.

SCT 284 STAGE MAKEUP

Two credit hours

Prerequisite: SCT 100.

A basic course in fundamental principles and practices in theatrical makeup techniques. It emphasizes techniques of application, familiarization with materials, and fundamental makeup design. Additional lab hours required. Offered in alternate years.

SCT 285 COSTUMING

Two credit hours

Required of all theatre majors. Prerequisite: SCT 100, 180

Specific application of the elements of theatrical design to the field of costuming is the focus of this course. Emphasis is placed on historical costume periods, utilization of materials and individual development of design techniques. Offered in alternate years.

SCT 288 THEATRE HISTORY I

Four credit hours

Required of all theatre majors. Prerequisite: SCT 100

A survey of the origin and development of Western theatre. Offered in alternate years.

SCT 289 THEATRE HISTORY II

Four credit hours

Required of all theatre majors. Prerequisite: SCT 288

A study of the foundations of modern theatre including American theatre history. Offered in alternate years.

SCT 324 STUDIES IN FILMS

Three credit hours

An examination of various topics in film which will contribute to the greater appreciation of film as an art form. Topics include: Comedy in Films, Hitchcock's Creative Filmmaking, Literature to Films, Academy Award-Winning Films, etc. Topics will vary from offering to offering. Course may be repeated as the topic changes.

SCT 370 COLLABORATIVE STUDIES IN THEATRE

Three credit hours

Required of all theatre majors. Prerequisite: SCT 271, 272, 282, 283, 285

A study of the inter-relationships that exist between directing, acting and designing. Emphasis is given to collaboration, play analysis, concept development and improving communication skills through verbal presentations.

SCT 372 BUILDING A CHARACTER

Three credit hours

Required of all theatre majors: Prerequisite: SCT 272.

This course focuses on the actor's development of characterization through scene work, scriptural 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.

SCT 374 DIRECTING PRACTICUM

Two credit hours

Required of all playshop directors. Prerequisite: SCT 271, 370.

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.

SCT 384 STAGE MANAGEMENT

Two credit hours

Prerequisite: SCT 100, 180. SCT 384 or 386 required of all theatre majors.

A study of the principles and practices of stage management in commercial and non-commercial settings. The course will explore such areas as scheduling, cue-calling, and rehearsal procedures. Offered in alternate years.

SCT 386 THEATRE MANAGEMENT

Two credit hours

Prerequisite: SCT 100, 180. SCT 384 or 386 required of all theatre majors.

A study of the principles and practice of theatre arts management in commercial and non-commercial applications. The course will explore such areas as philosophy, objective financing and theatre promotion. Offered in alternate years.

SCT 461 PLAYWRITING

Two credit hours

This course is designed for the theatre or liberal arts student wishing to gain experience in dramatic writing. Contemporary playwrights and their plays, along with students' own writing efforts, will be evaluated. The student's one-act play, in copyrightable form, will be the culmination of the course work.

SCT 463 SEMINAR

Two to four credit hours

An advanced current topic in theatre. May be repeated, provided that the topic is different.

SCT 470 SUMMER THEATRE EXPERIENCE

One to three credit hours

Academic and practical experience is provided for students interested in learning about community theatre through an intensive study of practice and procedure with the Baldwin-Wallace College Summer Theatre.

SCT 491, 492 DEPARTMENTAL THESIS/PROJECT

Credit hours to be arranged

See Departmental Thesis/Project, Section II.

SPORT/DANCE/ARTS MANAGEMENT

The purpose of this program is to promote the study of management as it relates to sport and the arts. The program is designed for students who are interested in a major in sport management, fitness management, dance, theater, studio art, or music. The major in one of the above areas is combined with a business minor in management and organization or a second major in business administration. The major-minor or double major is supplemented by two interdisciplinary courses and field experience. Special topic courses and seminars in sport or arts management are also recommended.

Faculty advising is a vital part of the S/D/A Management Program. Student needs, interests, background experience and future aspirations are used as guides to curricular recommendations which enable students to consider career options and/or graduate study in the management and administration of sport or the arts.

Students who successfully complete the college and program requirements will receive Bachelor of Arts degrees, and participation in the Sport/Dance/Arts Management Program will be indicated on the college transcript.

Program Requirements:

Students must complete a major in **one** of the following areas:

HPE, Sport Management Concentration	32 credits
HPE, Fitness Management Concentration	40 credits
HPE, Dance Concentration	32 credits
Theater	47 credits
Studio Art	32 credits
B.A. Degree with Major in Music	40 credits

Students must also complete the following:

Business Management and Organization Minor OR	27 credits
Business Administration Major	45 credits
SDA 201	2 credits
SDA 401	1 credit
SDA 070	8 credits

Specific course requirements and course descriptions are outlined under Core Curriculum Requirements, Health and Physical Education, Speech Communication and Theater, Art, Music in Liberal Arts, and Business Administration.

Course Descriptions

SDA 050 INDEPENDENT STUDY *Credit hours to be arranged*
Prerequisite: SDA 201 and program participant or SDA Coordinator approval.

See Independent Study Program, Section II.

SDA 070 FIELD EXPERIENCE/INTERNSHIP *Credit hours to be arranged*
Prerequisite: SDA 201 and program participant.

See Field Experience/Internship Program, Section II.

SDA 201 INTRODUCTION TO THE S/D/A PROGRAM *Two credit hours*

Prerequisite: Freshman or sophomore standing; juniors by instructor approval.

The introductory course is open to students interested in participating in the Sport/Dance/Arts Management Program. Concepts and career options related to sport and arts management are explored; relationships between sport, dance, theater, studio art, and music are explored and related to the liberal arts and to business management and organization.

SDA 401 S/D/A SENIOR EXPERIENCE *One credit hour*

Prerequisite: SDA 201 and senior program participant.

Required of senior students who are participants in the Sport/Dance/Arts Management Program. The course focuses on job seeking skills, graduate school application, and other transitional issues of special concern to college seniors and particularly as they apply to careers in sport and arts management. Other special topics of discussion and inquiry relate to further understanding of the business aspects of sport and the arts.

The following are among other courses designed especially for the S/D/A Management Program:

HPE 343 TOPICS IN SPORT MANAGEMENT *Two credit hours*

See HPE Course Descriptions, beginning on page 167.

HPE 344 SPORT MANAGEMENT AND MEDIA RELATIONS *Two credit hours*

See HPE Course Descriptions, beginning on page 167.

HPE 345 FITNESS PROGRAM MANAGEMENT *Two credit hours*

See HPE Course Descriptions, beginning on page 167.

SDA 301 PUBLIC RELATIONS IN ARTS MANAGEMENT *Two credit hours*

A practical approach to planning and problem solving for good public relations for arts organizations, including working with media, creating effective news releases, pictures and brochures, and reaching segments of potential markets. Principles and practices will focus on arts organizations but be expanded as they relate to other not-for-profit organizations. The course is specifically designed for arts management students in the S/D/A Management Program but is open to all upper-class arts majors. Course may be offered less frequently than once a year.

SDA 302 FUNDRAISING IN ARTS MANAGEMENT *Two credit hours*

Designed to focus on fundraising in the not-for-profit organization. Among topics addressed are the following: sources of unearned and earned income, proposal writing and presentation, funding research, fundraising and the budget, interrelationship of fundraising and the arts organization, special event management, philanthropy, and careers in development. The course is specifically designed for arts management students in the S/D/A Management Program but is open to all upper-class arts majors and other students who have an interest in not-for-profit management and organization. Course may be offered less frequently than once a year.

CERTIFICATE PROGRAMS

The certificate programs at Baldwin-Wallace College provide individuals the opportunity to develop a set of skills in a concentrated area, in a relatively short period of time, without enrolling in a total college degree program. Although students in the program may already have a college degree, it is not a prerequisite for admittance to a certificate 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.

The Certificate Programs are as follows:

Accounting

The Certificate Program in Accounting requires six accounting courses from the Business Administration Division. More than half 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. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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 following four courses are required:

BUS 211 Principles of Accounting I	4 credits	(Prerequisite: MTH 136)
BUS 212 Principles of Accounting II	3 credits	(Prerequisites: BUS 211 & MTH 136)
BUS 321 Intermediate Accounting I	4 credits	(Prerequisite: BUS 212)
BUS 322 Intermediate Accounting II	3 credits	(Prerequisite: BUS 321)

Specialization Electives: Must choose two 3-4 credit courses in accounting at the 300 or 400 level.

BUS 316 Cost Accounting & Analysis	3 credits	(Prerequisites: BUS 212 & ECN 279)
BUS 407 Federal Income Taxation	4 credits	(Prerequisite: BUS 211)
BUS 408 Federal Taxation: Corporations, Partnerships, Estate & Trusts	3 credits	(Prerequisite: BUS 211)
BUS 417 Principles of Auditing	4 credits	(Prerequisites: BUS 316 & BUS 322)
BUS 418 Governmental & Nonprofit Accounting	3 credits	(Prerequisite: BUS 212)
BUS 420 Accounting Systems	3 credits	(Prerequisite: BUS 322)
BUS 421 Advanced Accounting	4 credits	(Prerequisite: BUS 322)

Computer Information Systems

The Certificate Program in Computer Information Systems requires 28 semester hours in course work from the disciplines of computer science and mathematics. More than half the courses must be completed at Baldwin-Wallace College. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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.)

Prerequisite Course:

CSC 150 Fundamentals of Computer Sci. 3 credits

This course is a prerequisite and must be taken if the student has not had previous structured language programming experience. Students must consult with a representative from the Computer Science department in order to determine whether they have sufficient experience for the course to be waived before proceeding with other CSC coursework.

Mathematics Requirement: (1 course)

MTH 161 Discrete Mathematics 4 credits (Prerequisite: 3 Years High School Math including Geometry & 2nd year Algebra)

Computer Science Requirements: (7 courses)

CSC 210 Computer Science I: Programs & Applications 3 credits (Prerequisite: CSC 150 or consent)
CSC 215 Digital Topics 2 credits (Prerequisite: CSC 150 or consent)
CSC 225 Information Systems I 4 credits (Prerequisite: CSC 210 & MTH 161)
CSC 230 Information Systems II 3 credits (Prerequisite: CSC 225)
CSC 280 Introduction to Databases 4 credits (Prerequisite: CSC 230 or CSC 260)
CSC 290 Building Local Area Networks 3 credits (Prerequisite: CSC 210 & CSC 215)
CSC 460 System Analysis & Design 5 credits (Prerequisite: CSC 230 or CSC 260)

Gerontology

The Certificate Program in Gerontology requires 19–23 semester hours in course work from the disciplines of psychology, sociology, nutrition, and biology. Optional courses may also be selected from business administration and political science to further enhance the Certificate. Residency Requirement: More than half the courses must be completed at Baldwin-Wallace College. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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 following three courses are required:

SOC 344 Aging and Society 3 credits (Prerequisites: SOC 100 and PSY 110 or PSY 100)
SOC 345 Medical Sociology 3 credits (Prerequisites: SOC 100 and PSY 110 or PSY 100)
SOC 070 Practicum in Gerontology 1-3 credits

Choose One of the following:

BIO 203 Human Anatomy & Physiology 4 credits (daytime course only)
BIO 206 Your Body: Past, Present, & Future 3 credits (weekend only course)
FCS 207 Nutrition in Daily Living 3 credits (daytime only course)

252 Certificate Programs

Human Resources Management

The Certificate Program in Human Resources Management requires six college courses, for a total of 19-21 semester credit hours. More than half the courses must be completed at Baldwin-Wallace College. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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 following courses are required:

BUS 305	Introduction to Management	4 credits	
BUS 329	Business Ethics	3 credits	
BUS 410	Human Resources Management	3 credits	(Prerequisite: BUS 305)
BUS 455	Compensation Management	3 credits	(Prerequisite: BUS 305)

Choose two courses from the following:

BUS 326	Legal Environment of Organizations	3 credits	
ECN 349	Labor in the Economy	3 credits	(Prerequisite: ECN 101 and ECN 102)
PSY 301	Psychological Testing	4 credits	(Prerequisite: PSY 279 or permission of instructor)
PSY 320	Industrial Psychology	4 credits	(Prerequisite: PSY 110)
PSY 335	Adult Development and Aging	4 credits	(Prerequisite: PSY 110)
SOC 310	Work in America	3 credits	(Prerequisite: SOC 100 or 106)
SCC 202	Interpersonal Communications	3 credits	(Prerequisite: SCC 112)
SCC 413	Organizational Communication	3 credits	

Information Technologies

The Certificate Program in Information Technologies requires 15 semester hours in course work from the disciplines of computer science and communications. More than half the courses must be completed at Baldwin-Wallace College. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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 following two courses are required:

CSC 121	Introduction to Computer Information Systems	3 credits	
CSC 150	Fundamentals of Computer Science	3 credits	(Prerequisite: 3 Years High School Math including 2nd year Algebra)

CSC 131 Course Options: (choose 3)

CSC 131	Communication Technologies	2 credits	(Includes e-mail, Internet, WWW, Hypertext - HTML or similar language)
CSC 131	Networking Applications	2 credits	
CSC 131	Windows/Spreadsheets	2 credits	
CSC 131	Microcomputer Databases	2 credits	
CSC 131	Presentation Software	2 credits	

Business or Speech Course Option: (choose 1)

BUS 358	Business Communications	3 credits	
SCC 413	Organizational Communication	3 credits	(Prerequisite: SCC 112)

Organizational Development

The certificate program in Organizational Development requires 20-21 semester hours. More than half the courses must be completed at Baldwin-Wallace College. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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 following four courses are required:

BUS 263 Team Building	3 credits	
BUS 305 Introduction to Management	4 credits	
BUS 409 Behavioral Theories of Management	4 credits	(Prerequisite: BUS 305)
SCC 413 Organizational Communication	3 credits	(Prerequisite: SPC 112, Junior status, or consent of instructor)

Course Options: (choose 1)

PSY 320 Industrial Organizational Psy.	4 credits	(Prerequisite: PSY 100 or PSY 110)
PSY 321 Human Relations and Group Dynamics	3 credits	(Prerequisite: PSY 100 or PSY 110)
PSY 339 Social Psychology	3 credits	(Prerequisite: PSY 100 or PSY 110)

Course Options: (choose 1)

SOC 106 Organizations	3 credits	
SOC 301 Class, Status, and Power	3 credits	(Prerequisite: SOC 100 or SOC 106)
SOC 310 Work in America	3 credits	(Prerequisite: SOC 100 or SOC 106)

Purchasing Management

The Certificate Program in Purchasing Management is a collaborative and cooperative offering between Baldwin-Wallace College and Cuyahoga Community College. It is comprised of 23 semester credit hours of courses. More than half the courses must be completed at Baldwin-Wallace College. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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 following five courses are taken at Baldwin-Wallace College:

BUS 211 Principles of Accounting I	4 credits	(Prerequisite: MTH 136)
BUS 212 Principles of Accounting II	3 credits	(Prerequisite: BUS 211/MTH 136)
BUS 305 Introduction to Management	4 credits	
BUS 330 Introduction to Marketing	3 credits	(Prerequisite: ECN 100 or ECN 101)
CSC 121 Introduction to Computer Information Systems	3 credits	

Courses to be taken at Cuyahoga Community College:

BADM 2160 Introduction to Purchasing	3 credits
BADM 2180 Purchasing Management	3 credits

Sales Management

The Certificate Program in Sales Management requires six college courses, for a total of 20-21 semester credit hours. More than half the courses must be taken at Baldwin-Wallace College. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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 following courses are required:

BUS 330 Introduction to Marketing	3 credits	(Prerequisite: ECN 100 or 101)
ECN/PSY 279 Elements of Statistics	4 credits	(Prerequisite: MTH 136 or higher)
BUS 334 Salesmanship and Sales Management	3 credits	(Prerequisite: BUS 330)
BUS 338 Consumer Behavior	3 credits	(Prerequisite: BUS 330)
BUS 432 Marketing Research and	4 credits	(Prerequisites: BUS 330 and ECN/ PSY 279)

Choose one of the following:

SOC 281 SPSS: Data Analysis	4 credits	(Prerequisite: ECN/PSY 279)
SCC 306 Business/Professional Speaking	3 credits	
SCC 410 Persuasion	3 credits	(Prerequisite: SCC 112)

Wellness

The Certificate Program in Wellness requires 20-21 semester credit hours. More than half the courses must be completed at Baldwin-Wallace College. (**Note:** It is the student's responsibility to consult a Certificate Program advisor as to the specific courses and residency 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 following courses are required:

FCS 209 Nutrition	3 credits	(weekend only course)
SOC 106 Organizations	3 credits	(daytime only course)

Choose one of the following:

SOC 250 Topics in Soc: Death & Dying	3 credits*	
SOC 250 Topics in Soc: Policies on Aging	3 credits*	

* or additional Soc 250 or Soc 350 courses with a gerontology orientation

Choose One of the following:

PSY 205 Developmental Psychology	3 credits	(Prerequisites: SOC 100 and PSY 100 or PSY 110)
PSY 335 Adult Development & Aging	4 credits	(Prerequisites: SOC 100 and PSY 100 or PSY 110)

The following courses are required:

BIO 206 Body: Past, Present, Future	3 credits	
FCS 209 Nutrition	3 credits	
PSY 205 Developmental Psychology	3 credits	(Prerequisite: PSY 100 or PSY 110)
HPE 205 First Aid	2 credits	
HPE 223 Achieving Wellness: Methods of Personal Development	3 credits	

Electives: (Minimum of six semester credits hours)

PSY 335 Adult Development and Aging	4 credits	(Prerequisite: PSY 110)
FCS 218 Consumer Issues	3 credits	
FCS 301 Nutrition in the Life Cycle	3 credits	(Prerequisite: FCS 207 or FCS 209)
FCS 318 Parenting	3 credits	
Special Topics in Wellness	3 credits	(As Approved)
SOC 344 Aging and Society	3 credits	(Prerequisite: SOC 100 or SOC 106)
SOC 345 Medical Sociology	3 credits	(Prerequisite: SOC 100 or SOC 106)
HPE 263 Seminar on HIV/AIDS	2-3 credits	
HPE 312 Substance Abuse	2 credits	

Section IX

CONSERVATORY OF MUSIC

The Baldwin-Wallace College Conservatory of Music, founded in 1899 by organist and Bach scholar Albert Riemenschneider, 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.

The Conservatory courses of study emphasize four main areas: (1) musical performance, in which the student is expected to develop a high level of proficiency; (2) study of the theory, history, and literature of music and the application of these studies to the student's performing medium; (3) specialized advanced study in music, with consideration given to areas appropriate to the student's career goals; (4) a balanced selection of courses in the liberal arts. The student majoring in music education also undertakes a strong concentration of work designed for the development of the successful teaching musician.

The Conservatory is housed in the Kulas Musical Arts Building and Merner-Pfeiffer Hall. Ample space and equipment are available to meet the needs of students; practice rooms are readily available. The Ferne Patterson Jones Music Library, located in Merner-Pfeiffer Hall, contains a comprehensive collection of scores and recordings. The Mildred Martin Kerschner Music Education Curriculum Center is a part of the Jones Library. On the second floor of Merner-Pfeiffer Hall is the Arnold Music Therapy Center, housing the Cleveland Music Therapy Consortium.

The Riemenschneider Bach Institute was founded in 1969 for the purpose of coordinating baroque research, performance, and publication at Baldwin-Wallace College. The Institute publishes the journal, BACH; sponsors two symposium concert series each year; houses the Riemenschneider Bach Library; and serves as a resource center for the annual Bach Festival founded by Albert and Selma Riemenschneider in 1932.

The Conservatory is a member of the National Association of Schools of Music, the national accrediting agency for music in higher education.

Admission Requirements

Admission to the Conservatory is based on the following factors:

- Admission to Baldwin-Wallace College
- Audition on major applied instrument
- Audition on minor applied instrument

- Examination in rudiments of music theory
- Examination of aural comprehension
- Examination of piano proficiency

Study materials are available for students who are deficient in music theory to enable them to eliminate the deficiency before the beginning of their freshman year.

Complete applications to the College and the Conservatory of Music, including the \$15 application fee, high school transcripts, SAT and ACT test scores, teacher recommendation form, and music teacher evaluation form, must be submitted prior to the audition. Transfer students must also submit official transcripts from all colleges previously attended.

Music theory placement examinations and piano proficiency tests will be given on the day of the audition to all students who are applying to the Conservatory of Music.

Detailed information concerning admission or an appointment for an interview or audition may be obtained by writing or calling: Admission Coordinator, Conservatory of Music, Baldwin-Wallace College, 275 Eastland Road, Berea, Ohio 44017-2088, 440/826-2368.

Auditions are held in the Conservatory at regular intervals during the academic year, as well as in several metropolitan centers throughout the U.S. For the major applied instrument audition, candidates are required to present a minimum of three compositions chosen from the standard classical repertoire of their instrument and representative of different musical styles. These compositions should be selected to demonstrate the candidate's musicianship and technical proficiency to the best advantage.

Suggested Audition Repertoire for Conservatory Degree Programs

The compositions listed below are considered suitable for audition. These works are offered only as suggestions and as an indication of the degree of achievement expected. Other pieces of comparable difficulty may be chosen.

Piano and voice majors are required to memorize all selections. Memorization is not required for organ, string, wind, or percussion auditions.

Violin: Movements of concertos by Bach, Mozart, Lalo, Mendelssohn, or Bruch; movements of sonatas by Handel, Mozart, Beethoven, or Schubert; any movement of solo Bach; short pieces by Kreisler, Sarasate, or Wieniawski, studies by Kreutzer, Fiorillo, or Rode.

Viola: One movement from any of the viola concertos by Telemann, Handel, Stamitz, or Hoffmeister, or a piece of comparable level. One movement from any of the Bach cello suites transcribed for viola. One etude by Kreutzer of comparable level. Three-octave scales.

Cello: Movements from concertos by Saint-Saëns, Boccherini, Lalo; any of the Bach Suites; sonatas by Corelli, Sammartini, Vivaldi, or Shostakovich; etudes by Popper, Schroder, or Lee.

Double Bass: Two contrasting movements of a baroque sonata, a piece of the student's choice, and knowledge of all major and minor scales.

Harp: Selections from orchestral and solo harp literature appropriate to the individual student.

Guitar: Pavans by Luis Milan; Renaissance lute pieces such as the transcriptions by Oscar Chilesotti; *Etudes of Sor* (Nos. 1-10); *Eight Etudes* by Aguado; *Prelude No. 3* by Villa-Lobos; *Pavane* by Gaspar Sanz.

Piano: Bach Inventions, Preludes and Fugues, Suites, or Suite movements; Scarlatti Sonatas, variations or sonatas by Haydn, Mozart, or Beethoven; works by Chopin, Liszt, Schubert, Mendelssohn, Brahms, or Schumann; pieces by Debussy, Ravel, Bartok, Gershwin, Prokofiev, or Shostakovich.

Organ: Bach Choral Preludes, Preludes and Fugues, and other works; pieces by other baroque composers such as Buxtehude, Pachelbel, and Couperin; works by Franck, Mendelssohn, or Brahms; pieces by Langlais, Hindemith, Dupré, or Sowerby.

Voice: Three memorized selections chosen from songs and arias of the 17th and 18th centuries; art songs of the 19th and 20th centuries; operatic and oratorio literature when suitable for the singer. Unless auditioning for the musical theatre degree program, show tunes and popular music are not appropriate. Audition includes ear test and sight reading.

Musical Theatre: Musical Theatre majors will be expected to audition in the voice, theatre, and dance areas. Voice: three memorized selections; one of which must be a ballad and one "up-tempo." Drama/Theatre: two two-minute or one four-minute memorized monologue(s), aside, or dramatic reading. Dance auditions must be choreographed to music (cassette tapes only). Auditions include ear test and sight reading.

Flute: Sonatas by Vivaldi, Bach, Handel, Hindemith, or Poulenc; concertos by Vivaldi, Quantz, Mozart, Chaminade, or Griffes.

Oboe: Sonatas by Handel, Telemann, Saint-Saëns, Hindemith, or Poulenc; concertos by Mozart, Ibert, Bellini, or Strauss.

Clarinet: Movements of concertos by Mozart, Stamitz, Weber, Copland. Movements of sonatas by Bernstein, Hindemith, Poulenc, Saint-Saëns. Other works by Debussy, Cavallini, Rabaud, Rossini. Unaccompanied piece by Osborne, Stravinsky, Sutermeister, Etudes by Rose, Jean-Jean.

Saxophone: Sonatas by Creston, Lunde, or Jacobi; transcriptions by J.S. Bach, G.F. Handel, or Eccles; concertos by Glazunov, Ibert, or Debussy. Jazz and improvisatory skills on a standard blues; rhythm changes and a ballad of contrasting style.

Bassoon: Sonatas by Vivaldi, Telemann, Fasch, Saint-Saëns, or Hindemith; concertos by Vivaldi, Mozart, or Weber.

French Horn: Sonatas by Beethoven, Hass, or Hindemith; concertos by Haydn, Mozart, Glière, or Strauss; solo pieces of the candidate's choice.

Trumpet: Sonatas by Torelli, Handel, Telemann, Kennan, or Hindemith; concertos of Haydn, Hummel, Tomasi, or Giannini; solo pieces of the candidate's choice.

Trombone and Euphonium: Sonatas by Galliard, Hindemith, or McKay; concertos by Reiche, Alschausky, or Blazevitch; solo pieces of the candidate's choice.

Tuba: Sonatas by Koetsier, Hindemith, Stevens, or Wilder; concertos by Vaughan Williams, Woolf, or Lebedev; solo pieces of the candidate's choice.

Timpani and Percussion: Sonatas by Frock, Kraft, or transcriptions of Bach, Vivaldi, Handel, or Telemann; concertos by Creston, Mayazumi, or Milhaud; solo pieces by Peters, Tanner, or other composers.

Bachelor of Arts Degree Programs

Those entering the BA music major or music major within the Sport/Dance/Arts Management program will be asked to take a placement audition consisting of one prepared solo piece on the major instrument or voice. A theory placement examination and (except for piano majors) a piano placement examination are required.

Special Student Status

Those who have already earned an undergraduate degree but wish to undertake further study for college credit may enroll as special students. Special students are usually not enrolled in a specific degree program but may earn a second undergraduate degree with the approval of the Dean of the College. Application for special student status may be made through the College Admission Office.

The Music Therapy equivalency program is offered for those who already hold a music degree from a recognized institution. In this non-degree program, the student completes all Music Therapy core courses as well as those non-music courses specifically required by AMTA (usually a two-year, part-time program). After completion of course work and internship, the equivalency student is eligible to apply for registration (RMT) and to sit for the national certification examination. Students interested in the program should arrange an interview and analysis of transcript with the Music Therapy director.

Regulations

All students are given the opportunity to perform in student recitals and departmental programs throughout the year. Attendance at faculty recitals, ensemble concerts, and lectures is expected of all Conservatory students. Full-time students are required to attend Wednesday student recitals and to meet the requirements of MUS 001, Performance Attendance (six semesters).

Lessons missed through negligence of the student will not be made up, except at the discretion of the teacher.

Music majors must take two jury examinations each year. BA majors and music minors must take one jury examination each year.

The jury of each performance department consists of a panel of faculty members from that department. The jury performance is a factor in determining the final grade for the semester. In voice and piano, pre-recital approval juries containing recital repertoire are required in the semester of the scheduled recital.

Music degree students are required to participate in major ensembles according to their degree programs. Wind and percussion majors register for Wind Ensemble, string majors register for Orchestra, vocal majors register for College Choir or Women's Choir, and guitar

majors register for Guitar Ensemble. BM piano majors register for a major ensemble during the freshman year and for Collaborative Piano during the remaining three years. Qualified students may register for more than one ensemble with permission of the conductor(s).

Piano Requirements

All degree candidates are expected to meet certain requirements in piano as part of their general musicianship training. The ability to use the piano as a working tool is prerequisite to any career in music; secondary piano instruction is directed toward this goal. Emphasis is placed on keyboard facility, sight reading, and harmonization.

Students must register for piano each semester until the required jury examination has been passed. The instructor may require any number of jury examinations in addition to those required, in order to evaluate the student's progress. BME students must pass the required jury prior to student teaching.

Students are encouraged to continue piano study even after completion of degree requirements as a fundamental and practical basis for all musical activity. However, after requirements have been met, other courses in applied music may be substituted for piano.

Those who fail to pass the required piano jury level within the allotted number of semesters will be charged the applied music fee for each additional semester of study.

Jury examinations are usually undertaken at the completion of each year of study (#2 at the end of the first year, #4 at the end of the second year, etc.). With the agreement of the instructor, a student may request any examination at any time. The following are the secondary piano requirements:

Degree Course	Major Required	Jury Examination
BM	Theory, Composition, Music Therapy History & Literature	2 - 4 - 6
BM	Instrumental and Vocal Musical Theatre	2 - 4
BME	Instrumental and Vocal	2 - 4 - 6

Musical Ensembles

The following ensembles are open to all students, membership determined by audition. Each ensemble performs several times during the academic year. Musical literature is chosen from representative works appropriate to the specific ensemble. See MUS 163.

Symphony Orchestra	Clarinet Choir
Symphonic Wind Ensemble	Jazz Band
College Choir	Guitar Ensemble
Motet Choir	Collegium Musicum
Brass Choir	Flute Ensemble
Percussion Ensemble	DIMENSIONS Stage Choir
Women's Choir	

Honorary & Professional Organizations

Conservatory students are encouraged to participate in national and state organizations. Mu Phi Epsilon, a national music fraternity, maintains an active chapter at the College. There are also student chapters of the Music Educators National Conference, American String Teachers Association, the American Guild of Organists, and the American Music Therapy Association.

The Conservatory Student Council, a representative group of elected students, meets regularly with the director regarding Conservatory issues and student concerns.

Scholarship & Financial Aid

Financial aid is available for Conservatory students, based on both financial need and musical ability. For details, please refer to Student Expenses and Financial Aid, Section VI.

Conservatory of Music Degrees

The Conservatory of Music degree courses are planned for the benefit of those with sufficient talent and ability who wish to study music as a profession. The following degrees are offered:

- Bachelor of Music (BM)

- Bachelor of Music Education (BME)

- Bachelor of Music in Music Therapy (BM)

- Bachelor of Music in Musical Theatre (BM)

- Bachelor of Arts with a major or minor in music (BA)

- Bachelor of Arts in Arts Management (BA)

Students enrolling in the BM curriculum normally go on to graduate school and then into professional careers as solo performers, college teachers, orchestral musicians, church musicians, and music therapists. Students who complete the BME curriculum are prepared to enter the field of K-12 school music.

A five-year course is offered which combines the BM and BME degrees. In this program, both courses may be carried simultaneously and completed in five years. This course may be undertaken only by applicants who have exceptional talent and aptitude. The student in this program will continue lessons on the major instrument and the required major ensemble during the fifth year. Under no circumstances may the courses for both degrees be completed in less than five years without previous advanced credit.

The BA in music is discussed under Music in Liberal Arts, Section VIII.

Sophomore Review

All Conservatory students are subject to evaluation at the end of the sophomore year. This review is intended to identify and communicate students' strengths and deficiencies. A faculty panel reviews each student's academic and musical progress, meets with students to discuss these issues, and makes recommendations relative to the student's continuation of study.

The Bachelor of Music Degree

The Bachelor of Music degree is granted on the completion of all requirements listed in the following courses of study. Majors may be taken in theory, history and literature, composition, music therapy, musical theatre, piano, voice, organ, guitar, harp, and all string, wind, and percussion instruments used in band and orchestra. In order to meet the requirements for graduation, students must maintain a 3.0 GPA in their major applied instrument.

BM Instrumental

Computer Code: MUSI

Total Credits required for degree: 129.5

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

FRESHMAN	Fall	Spring	SOPHOMORE	Fall	Spring	
Applied Major	4	4	Applied Major	4	4	
Applied Minor ¹	1	1	Applied Minor ¹	1	1	
Ensemble	1	1	Ensemble	1	1	
Harmony 1,2	2	2	Harmony 3,4	2	2	
Solfège/Eurhy 1,2	2	2	Solfège 3,4	2	2	REQUIRED LIBERAL ARTS
Intro Mus Lit		1	Hist & Lit 1,2	3	3	EnglishComp 3
Intro Cham Music ^{2,3}	1	1	Pedagogy ⁵	2	2	ForeignLang ⁷ 8
Lib Arts	4		Chamber Music ^{2,3}	1	1	Rel/Phil/Hist 3
Lib Arts (English)		3	LibArts		3	Econ/PolSci/Psy/Soc 3
HPE		1	HPE	1		Art Hist/Art Appreciation 3/4
TOTAL	15	16	TOTAL	17	17	Anatomy & Physiology I 4
						HPE 2
						Electives 3/4
						TOTAL 29-31

JUNIOR	Fall	Spring	SENIOR	Fall	Spring
Applied Major	4	4	Applied Major	4	4
Ensemble	1	1	Ensemble	1	1
Hist & Lit 3	3		Counterpoint (18th)		2
Form & Anal 1,2	2	2	Orchestration 1,2	2	1
Conducting 1,2	3	3	Chamber Music ^{3,4}		1
Orch Rep ⁴	1		Orch Rep ⁴	1	
Chamber Mus ^{3,4}		1	Music Elective ⁸	2	2
Recital ⁶		.5	Recital ⁶		1
Lib Arts ⁷ (Language) 4		4	Lib Arts	6	3
TOTAL	18	15.5	TOTAL	16	15

- 1 Applied minor is piano until July 4 proficiency is achieved.
- 2 Violin, viola, and cello only. Other instruments may take for credit with approval of instructor. String bass required to take 2 credits of chamber music (additional 6 credits may be taken in ensembles or other music electives).
- 3 Guitar students will substitute Guitar Ensemble for Chamber Music (8 credits). Percussion students will substitute Percussion Ensemble for Chamber Music (8 credits).
- 4 Minimum four credits of chamber music and two credits of orchestral repertoire required for woodwind, brass, and percussion students. Orchestral repertoire for strings is included in studio instruction.

- ⁵ Pedagogy offered in alternate years.
- ⁶ A partial recital required in the junior year. A full recital required in the senior year.
- ⁷ A proficiency exam will be administered to determine entry level of foreign language requirement. Students whose language requirement is reduced will take the equivalent number of credit hours in other liberal arts courses.
- ⁸ Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement.

BM Voice

Computer Code: MUSV

Total Credits required for degree: 137.5

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

FRESHMAN	Fall	Spring	SOPHOMORE	Fall	Spring	
Voice	3	3	Voice	3	3	
Piano ¹	1	1	Piano ¹	1	1	
Ensemble	1	1	Ensemble	1	1	
Intro/OpMusThtre		1	Op/MusThtrWkshp	1	1	
Harmony 1,2	2	2	Harmony 3,4	2	2	
Solfège/Eurhy 1,2	2	2	Solfège 3,4	2	2	REQUIRED LIBERAL ARTS
English Diction	1		Hist & Lit 1,2	3	3	EnglishComp 3
ForeignLangDiction ²		1	ForeignLangDjction ²		1	Foreign Lang ³ 16
Intro Mus Lit		1	LibArts(Lang) ³	4	4	Rel/Phil/Hist 3
LibArts (English)		3				Econ/Pol. Sci./Psy/Soc 3
LibArts (Language) ³	4					Art Hist/Art Appreciation ³ /4
LibArts		3				Anatomy & Physiology I 4
HPE ⁸	1					Sp/Com/Thtr ⁷ 2
TOTAL	<u>15</u>	<u>18</u>	TOTAL	<u>17</u>	<u>18</u>	HPE ⁸ 2
						Electives 3/4
						TOTAL <u>39-41</u>

JUNIOR	Fall	Spring	SENIOR	Fall	Spring
Voice	3	3	Voice	3	3
Ensemble	1	1	Ensemble	1	1
Op/MusThtrWkshp	1	1	AdvOp/MuThtreWksp	1	1
Recital ⁴		.5	Recital ⁴		1
Form&Analysis 1,2	2	2	Vocal Lit ⁵	2	2
Opera History	2		Vocal Ped 1,2 ⁵	2	1
Hist & Lit 3	3		Chamber Music	1	1
ForeignLangDiction ²		1	Conducting	3	
LibArts(Lang) ³	4		Counterpoint(18th)		2
LibArts		9	LibArts	3	3
HPE ⁸	1		MusElectives ⁶	2	2
TOTAL	<u>17</u>	<u>17.5</u>	TOTAL	<u>18</u>	<u>17</u>

¹ Applied minor is piano until Jury 4 proficiency is achieved.

² Students will take Italian Diction, French Diction, and German Diction to correspond with the language taken during the previous semester. Diction courses are offered in alternate years .

³ Language requirement is 8 credits (one year) of German or French, 4 credits (one semester) of whichever of the two is not taken for the full year, and 4 credits (one semester) of Italian. Language emphasis will be determined by students' previous language experience and/or assessed needs. A proficiency exam will be administered. Students found to be proficient in a particular language have the following options: to take a higher level course in the language in which they are proficient; to take more courses in another required language;

or, to take a non-required language.

4 Partial recital required in the junior year. Full recital required in the senior year.

5 Courses offered in alternate years.

6 Students who have earned 8 credits in required ensemble may count up to 2 additional credits toward the music elective requirement.

7 It is recommended that the Sp/Com/Thtr requirement be fulfilled with SCT284, Stage Makeup.

8 It is recommended that the HPE requirement be fulfilled with dance courses.

BM Piano, Organ

Computer Code: MUSP

Total Credits required for degree: 132.5

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

FRESHMAN	Fall	Spring	SOPHOMORE	Fall	Spring	
Applied Major ⁴	4	4	Applied Major	4	4	
Applied Minor ¹	1	1	Applied Minor ¹	1	1	
Piano Pedagogy ⁶ 1,2	2	2	Collab. Piano ⁶	1	1	
Ensemble ²	1	1	Harmony 3,4	2	2	
Harmony 1,2	2	2	Solfège 3,4	2	2	REQUIRED LIBERAL ARTS
Solfège/Eurhy 1,2	2	2	Hist & Lit 1,2	3	3	EnglishComp 3
Intro Music Lit		1	Lib Arts (Language)	4	4	ForeignLang ⁷ 8
Lib Arts (English)	3					Rel/Phil/Hist 3
Lib Arts		3				Econ/PolSci/Psy/Soc 3
HPE		1				Art Hist/Art Appreciation 3/4
TOTAL	<u>15</u>	<u>17</u>	TOTAL	<u>17</u>	<u>17</u>	Anatomy & Physiology I 4
						HPE 2
						Electives 6/7
						TOTAL 32-34

JUNIOR	Fall	Spring	SENIOR	Fall	Spring
Applied Major	4	4	Applied Major	4	4
Collab. Piano ⁶	1	1	Collab. Piano ⁶	1	1
Form & Anal 1,2	2	2	Piano Lit ^{5,6}	2	2
Conducting 1,2	3	3	Orchestration 1,2	2	1
Hist & Lit 3	3		Chamber Mus	1	1
Counterpoint(18th) ⁷		2	Recital ⁴		1
Recital ⁴		.5	Music Elective	2	2
LibArts	4	3	LibArts	6	3
HPE		1			
TOTAL	<u>17</u>	<u>16.5</u>	TOTAL	<u>18</u>	<u>15</u>

1 Applied minor for piano majors should be organ, harpsichord, or voice. Applied minor for organ majors should be piano until major July 4 proficiency is achieved. Two years of a minor instrument are required.

2 Major ensemble is required in freshman year.

3 A proficiency exam will be administered to determine entry level of foreign language requirement.

Students whose language requirement is reduced will take the equivalent number of credit hours in other liberal arts courses.

4 Partial recital required in the junior year. Full recital required in the senior year.

5 Piano Literature offered in alternate years.

6 Organ pedagogy, literature, and collaborative studies covered in the studio class. Organ majors take piano pedagogy, collaborative piano, and piano literature as advised by their organ teacher.

7 Organ majors are required to take both 16th and 18th century counterpoint. Eighteenth century counterpoint is offered yearly, 16th century every other year.

Total Credits required for degree: 129

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

FRESHMAN	Fall	Spring	SOPHOMORE	Fall	Spring	
Applied Major	3	3	Applied Major	3	3	
Applied Minor ^{1,2}	1	1	Applied Minor ^{1,2}	1	1	
Ensemble ³	1	1	Ensemble ³	1	1	
Harmony 1,2	2	2	Harmony 3,4	2	2	
Solfège/Eurhy 1,2	2	2	Solfège 3,4	2	2	REQUIRED LIBERAL ARTS
Intro Music Lit		1	Hist & Lit 1,2	3	3	English Comp
Lib Arts (English)	3		Lib Arts (Language) ⁴	4	4	ForeignLang ⁴
Lib Arts		6				Rel/Phil/Hist
HPE	1	1				Econ/PolSci/Psy/Soc
						Art Hist/Art Appreciation
TOTAL	13	17	TOTAL	16	16	Anatomy & Physiology I
						HPE
						Electives
						TOTAL
						39-40

JUNIOR	Fall	Spring	SENIOR	Fall	Spring
Applied Major	3	3	Applied Major	3	3
Keyboard Musician ⁵	1	1	Ensemble ³	1	1
Ensemble ³	1	1	Senior Research ⁸	1	1
Form & Anal 1,2	2	2	Counterpt (18th C.) ⁶		2
Conducting 1,2	3	3	Music Seminar ⁷	2	
Hist & Lit 3	3		Orchestration 1,2	2	1
Counterpoint ⁶		2	Recital ⁹		1
Music Seminar ⁷	2	2	LibArts(Lang) ⁴	4	4
Lib Arts	3	4	Elective	2	3
TOTAL	18	18	TOTAL	15	16

- ¹ Applied minor is piano until Jury 4 proficiency is achieved.
- ² For piano majors, applied minor may be organ, harpsichord, voice, or an orchestral instrument.
- ³ 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 Language requirements include French and German. A proficiency exam will be administered to determine entry level of foreign language requirement. Students whose language requirement is reduced may take the equivalent number of credits in another language or other liberal arts courses.
- ⁵ Keyboard Musicianship course offered every other year. Student must pass Jury 4 proficiency before taking Keyboard Musicianship course.
- ⁶ Music History and Literature majors required to take 16th and 18th Century Counterpoint. 18th Century Counterpoint offered yearly, 16th Century Counterpoint every other year.
- ⁷ Three music history/literature seminars required. Music history/literature seminars may be replaced by independent study with permission of advisor.
- ⁸ Topic determined by student, in consultation with music history and literature advisor, with approval of the department.
- ⁹ Full senior lecture recital required.

Total Credits required for degree: 128

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

FRESHMAN			SOPHOMORE				
	Fall	Spring		Fall	Spring		
Applied Major	3	3	Applied Major	3	3		
Applied Minor ^{1,2}	1	1	Applied Minor ^{1,2}	1	1		
Ensemble ³	1	1	Ensemble ³	1	1		
Harmony 1,2	2	2	Harmony 3,4	2	2		
Solfège/Eurhy 1,2	2	2	Solfège 3,4	2	2	REQUIRED LIBERAL ARTS	
Intro Mus Lit		1	Hist & Lit 1,2	3	3	English Comp	3
Lib Arts (English)	3		Lib Arts (Language) ⁴	4	4	ForeignLang ⁴	8
Lib Arts		6				Rel/Phil/Hist	3
HPE	1	1				Econ/PolSci/Psy/Soc	3
						Art Hist/Art Appreciation	3/4
TOTAL	13	17	TOTAL	16	16	Acoustics	4
						HPE	2
						Electives	4
						TOTAL	30-31

JUNIOR			SENIOR		
	Fall	Spring		Fall	Spring
Applied Major	3	3	Applied Major	3	3
Keyboard Musician ⁵	1	1	Ensemble ³	1	1
Ensemble ³	1	1	Senior Research ⁸	1	1
Form & Anal 1,2	2	2	Composition	3	3
Conducting 1,2	3	3	Counterpoint ⁶		2
Hist & Lit 3	3		Theory Seminar ⁷	2	
Counterpoint ⁶		2	Electronic Music	2	
Intro to Comp.	1	1	Recital ⁹		1
Orchestration	2	1	LibArts	4	3
Theory Seminar ⁷	2		Elective		4
TOTAL	18	14	TOTAL	16	18

- ¹ Applied minor is piano until Jury 4 proficiency is achieved.
- ² For piano majors, applied minor may be organ, harpsichord, voice, or an orchestral instrument.
- ³ Must be in an assigned ensemble appropriate to the candidate’s major performing area.
- ⁴ A proficiency exam will be administered to determine entry level of foreign language requirement. Student must have 8 credits of foreign language.
- ⁵ Keyboard Musicianship course offered every other year. Student must pass Jury 4 proficiency before taking Keyboard Musicianship course.
- ⁶ Theory majors required to take 16th and 18th Century Counterpoint. 18th Century Counterpoint offered yearly, 16th Century Counterpoint every other year.
- ⁷ Required theory seminars may be taken during any semester of the junior and senior years. Theory seminar may be replaced with independent study with permission of theory advisor.
- ⁸ Topic determined by student, in consultation with music theory advisor, with approval of the music theory department.
- ⁹ Full senior lecture recital required.

Total Credits required for degree: 129

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

FRESHMAN	Fall	Spring	SOPHOMORE	Fall	Spring	
Applied Major ¹	2	2	Applied Major ¹	2	2	
Applied Minor ^{2,3}	1	1	Applied Minor ^{2,3}	1	1	
Ensemble ⁴	1	1	Ensemble ⁴	1	1	
Harmony 1,2	2	2	Harmony 3,4	2	2	
Solfège/Eurhy 1,2	2	2	Solfège 3,4	2	2	Required Liberal Arts
Intro Mus Lit		1	Hist & Lit 1,2	3	3	English Comp 3
Intro to Comp	1	1	Composition	3	3	ForeignLang ⁵ 8
Percussion Class		1	LibArts ⁵ (Lang)	4	4	Rel/Phil/Hist 3
LibArts		3				Econ/PolSci/Psy/Soc 3
LibArts (English)	3					Art Hist/Art Appreciation 3/4
HPE	1	1				Acoustics 4
TOTAL	13	15	TOTAL	18	18	HPE 2
						Electives 7
					TOTAL	33-34

JUNIOR	Fall	Spring	SENIOR	Fall	Spring
Applied Major ¹	2	2	Applied Major ¹	2	2
Applied Minor ^{2,3}	1	1	Ensemble ⁴	1	1
Ensemble ⁴	1	1	Composition	3	3
Form & Anal 1,2	2	2	Conducting 1,2	3	3
Hist & Lit 3	3		Electronic Music	2	
Composition	3	3	Voice Class	1	
Counterpoint ⁶		2	Recital ⁷		1
Orchestration	2	1	LibArts	3	3
LibArts	3	4	Elective		4
TOTAL	17	16	TOTAL	15	17

- ¹ Applied study on major instrument required freshman and sophomore years. Applied study on additional instruments, as determined by composition instructor, replaces applied major in junior and senior years.
- ² Applied minor is piano until Jury 6 proficiency is achieved.
- ³ For piano majors, applied minor can be organ, harpsichord, voice, or an orchestral instrument.
- ⁴ Students should have varied ensemble experience, not necessarily in all cases in the applied major.
- ⁵ A proficiency exam will be administered to determine entry level of foreign language requirement. Students whose language requirement is reduced may take the equivalent number of credits in another language or other liberal arts courses.
- ⁶ Counterpoint may be taken in either the junior or senior year.
- ⁷ Full composition recital or equivalent required.

Total Credits required for degree: 128

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

FRESHMAN			SOPHOMORE					
	Fall	Spring		Fall	Spring			
Applied Major	2	2	Applied Major	2	2			
Piano Mino ¹	1	1	Piano Minor ¹	1	1			
Ensemble	1	1	Ensemble	1	1			
Dict/VoiceClass ²	1	1	Harmony 3,4	2	2			
Harmony 1,2	2	2	Solfège 3,4	2	2	REQUIRED LIBERAL ARTS		
Solfège/Eurhy 1,2	2	2	Hist & Lit (Intro, 1)	1	3	Eng 111	3	
Intro to MT (151)		2	Rec Music (252) ³	2		SCT 102	3	
Guitar		1	Music Ther Tech ⁴		2	PSY 100	3	
ENG111/PSY110	3	4	Practicum		1	PSY 279	4	
SOC 100	4		PSY 302	4		PSY 302	4	
HPE	1	1	EDU 103	2		SOC 100	4	
			Lang/Hist/Phil		3	SOC(elective)	4	
						BIO 203	4	
TOTAL	<u>17</u>	<u>17</u>	TOTAL	<u>17</u>	<u>17</u>	Lang/Hist/Phil	6	
						HPE	2	
						Electives	3	
						TOTAL	<u>40</u>	
JUNIOR			SENIOR					
	Fall	Spring		Fall	Spring			
Applied Major	2	2	Applied Major	2	2			
Piano Minor ¹	1	1	Orchestration		2			
Ensemble	1	1	Conducting	3		REQUIRED EDU COURSE		
Form & Analysis	2		Psy of Music I,II	2	2	EDU 103	2	
Hist & Lit 2,3	3	3	Internship ⁵		1			
Music Ther Tech ⁴	3	3	BIO 203		4			
Practicum	1	1	SOC elective	4				
Percussion Class	1		Lang/Hist/Phil	3				
SCC 112	3		Elective		3			
PSY 279		4						
TOTAL	<u>17</u>	<u>15</u>	TOTAL	<u>14</u>	<u>14</u>			

- 1 Piano majors choose a secondary instrument or use piano credits for added elective credit. Non-piano majors must pass Jury 6 proficiency level.
- 2 Voice majors register for diction each semester of the freshman year. Instrumentalists register for voice class.
- 3 A competency examination must be taken after completing the Recreational Music course and before taking any other music therapy course.
- 4 Music Therapy techniques courses include: MT in Psychiatry and Rehabilitation; Program Development and Administration in MT (offered in even years, 2 credits); MT with Developmentally Disabled (offered in odd years, 3 credits).
- 5 A six-month internship required after completing all course work. Students may register for this off-campus assignment during their last semester on campus. Grading and granting of the degree will be deferred until the requirement is successfully completed.

Total Credits required for degree:129.5

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

FRESHMAN	Fall	Spring	SOPHOMORE	Fall	Spring	
Voice	3	3	Voice	3	3	
Piano ¹	1	1	Piano ¹	1	1	
Ensemble ²	1	1	Ensemble ²	1	1	
English Diction	1		Op/MusThtreWksp	1	1	
IntroOp/MusThtre		1	Harmony 3,4	2	2	
Harmony 1,2	2	2	Solfège 3,4	2	2	
Solfège/Eurhy 1,2	2	2	Dance ³	1	1	REQUIRED LIBERAL ARTS
Intro Theatre	3		Liberal Arts	3	3	EnglishComp 3
Liberal Arts		3	SCT	3	3	ForeignLang ⁴ 8
Basic Stage Mvt	2					Rel/Phil/Hist 3
Dance ³	1	1				Econ/PolSci/Psy/Soc 3
Back Stage Exp	1	1				Art Hist/Art Appreciation 3/4
TOTAL	17	15	TOTAL	17	17	Anatomy & Physiology I 4
						Electives ⁷ 3
						TOTAL 27-28

JUNIOR	Fall	Spring	SENIOR	Fall	Spring
Voice	3	3	Voice	3	3
Ensemble ²	1	1	AdvOp/MuThtre Wksp	1	1
Conducting	3		SCT	3	2
HistMusTheatre	2		Electives ⁷	3	3
Op/MusThtreWksp	1	1	Liberal Arts	4	4
SCT	2	3	Dance ³	1	1
Recital ⁵		.5	Recital ⁶		1
Dance ³	1	1			
HPE		3			
Electives ⁷	2				
Liberal Arts	3	3			
TOTAL	18	15.5	TOTAL	15	15

¹ Applied minor is piano until Jury 4 proficiency is achieved.

² Choral Ensemble required for three years. Ensemble may serve as elective credit during the fourth year.

³ Proficiency in dance required. A student may be required to take additional dance classes to reach the proficiency. Dance technique class may be repeated for credit with permission of the instructor.

⁴ Proficiency exam will be administered to determine entry level of foreign language requirement. Students whose language requirement is reduced will take the equivalent number of credit hours in other liberal arts courses.

⁵ Half junior recital of classical repertoire required.

⁶ Full senior recital required. The recital will cover the areas of voice, dance, and drama.

⁷ Electives may be taken in any area and at any time during the four year program. A minimum of 3 credits must be in liberal arts courses.

BM – Musical Theatre Course Requirements

SCT

SCT 100 Intro to Theatre	3	SCT 272 Acting	3
SCT 162 Backstage Experience	2	(prerequisite SCT 100, 170, HPE 171)	
SCT 170 Vocal Training	2	SCT 284 Stage Makeup (alt years)	2
SCT 180 Stagecraft	3	SCT 372 Building a Character	3
SCT 19 Classical/Modern Theatre Lit	3		

TOTAL HOURS: 21

HPE

HPE 171 Basic Stage Movement	2
HPE 333 Dance in the Theatre	3
HPE Dance Technique Classes	8

TOTAL HOURS: 13

Students majoring in Musical Theatre must complete dance techniques through Level III in Modern Dance, Ballet, and Jazz Dance and proficiency through Level II in Tap. More than nine hours may be required to meet the various dance proficiencies.

MUSIC

MUS 012 Voice	24	MUS 206 Harmony 3	2
MUS 010 Piano	4	MUS 207 Harmony 4	2
MUS 106 Harmony 1	2	MUS 216 Solfege 3	2
MUS 107 Harmony 2	2	MUS 217 Solfege 4	2
MUS 116 Solfege 1	2	MUS 131 English Diction	1
MUS 117 Solfege 2	2	MUS 163 Ensemble	6
		MUS 162 Mus Theatre Workshop	7
		MUS 227 History of Music Theatre	2
		MUS 351 Conducting	3
		Recitals	1.5

TOTAL HOURS: 64.5

ELECTIVES

TOTAL HOURS: 3

LIBERAL ARTS

TOTAL HOURS: 24-25

Total Credits required for degree: 140.5

MUS 001 PERFORMANCE ATTENDANCE is a non-credit requirement for all Conservatory students. Students must attend a specified number of performances in a minimum of six semesters in order to be eligible for graduation.

BME candidates must maintain a yearly grade point average of 3.00 in their overall music education core and applied concentration. (### = Vocal/Instrumental)

FRESHMAN	Fall	Spring	SOPHOMORE	Fall	Spring
Applied Major	2	2	Applied Major	2	2
Applied Minor	1	1	Applied Minor	1	1
Ensemble	1	1	Ensemble	1	1
Harmony 1,2	2	2	Harmony 3,4	2	2
Solfège/Eurhythmics	2	2	Solfège 3,4	2	2
PSY 100	3		History & Lit 1,2	1	3
Intro Music Ed	2		HPE	5/0	0/.5
English Diction	1/0		Integrated Diction II	1/0	
Integrated Diction I		1/0	Choreography		1/0
Voice	0/1		Mid/JH Music Methods		2
Brass I	0/.5		Teach Strat/ Mgt Skills	4	
Brass II	.5		Improv/Jazz Tech	0/1	
PSY 205		3	Percussion I	0/.5	
English Comp		3	Second Music Methods		3
SCT 112 or 205	3		Strings I	0/.5	
HPE	.5/0	0/.5	Strings II	.5	
Elementary Mus Methods		2	Percussion II		.5
Woodwinds I		0/.5	Teach/Rehearse & Cond	2	
Woodwinds II		.5	History of American Pop	1	
Guitar		.5	Early Field Exp		0
TOTAL	18	18	TOTAL	18	17.5

JUNIOR	Fall	Spring	SENIOR	Fall	Spring
Applied Major	2	2	Applied Major	2	
Applied Minor	1	1	Ensemble	1	
Ensemble	1	1	Senior Project	1	
History & Lit 3,4	3	3	Acoustics	4	
Conducting	3		History	3	
Form & Analysis	2		Philosophy/Religion	3	
HPE	1/0	0/1	Soc/PolSci/Econ	3	
Assess of Learning		2	Electives	1	
Marching Band Tech	0/1		Student Teaching		16
Child Spec Needs	2		TOTAL	18	16
P-12 Music Ed		2			
Arranging		1			
Technology for Music Ed	3				
Production Techniques		1/0			
Instrument Recap		1			
Math		3			
Intermediate Field Exp		0			
TOTAL	18	17			

Course Descriptions

Theory & Composition

A great variety of courses is offered to Conservatory music majors, often in the form of special seminars; others may be presented on a periodic basis. The courses listed below do not necessarily represent the broad spectrum of the Conservatory offerings, but they are regularly scheduled and are central to the Conservatory curriculum.

MUS 106, 107 HARMONY 1,2

Two credit hours each

Prerequisite for MUS 106 — the 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.

MUS 116, 117 SOLFEGE/EURHYTHMICS 1,2

Two credit hours each

Prerequisite for MUS 116 — the successful completion of entering placement examinations; for MUS 117 — 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 206, 207 HARMONY 3,4

Two credit hours each

Prerequisite for MUS 206—MUS 107; for MUS 207—MUS 206.

A continuation of MUS 107, with emphasis on harmonic and melodic chromatics. Non-functional harmonic concepts, advanced aspects of popular music chord symbols, and jazz harmonic practices are introduced. The final segment concentrates on 20th century musical practices.

MUS 216, 217 SOLFEGE 3,4

Two credit hours each

Prerequisite for MUS 216—MUS 117; for MUS 217—MUS 216.

A continuation of MUS 117. Dictation will include four-part counterpoint. The final segment emphasizes 20th century techniques.

MUS 211, 212 INTRODUCTION TO COMPOSITION

One credit hours each

Prerequisite: Consent of instructor

An introduction to musical composition, employing the smaller forms in a variety of styles.

MUS 301, 302 FORM AND ANALYSIS

Two credit hours each

Prerequisite for MUS 301—MUS 207 or the consent of instructor. For MUS 302—MUS 301 or the consent of instructor.

These courses will include the motive, the phrase, the period, binary and ternary forms, sectional and continuous variations, sonata form, rondo and sonata-rondo, fugue, and free design. The historical development of these forms is emphasized. In the final segment, the structure, function, and interrelations of all musical components are analyzed.

MUS 312 EIGHTEENTH-CENTURY COUNTERPOINT *Two credit hours*

Prerequisite: MUS 207

A systematic study of important contrapuntal techniques, featuring the styles of the 18th century.

MUS 313 ORCHESTRATION I *Two credit hours*

A study of the orchestral instruments and their use in the different choirs of the orchestra.

MUS 314 ORCHESTRATION II *One credit hour*

Prerequisite: MUS 313

An advanced course emphasizing scoring for full orchestra, with encouragement of individual creative work.

MUS 316 KEYBOARD MUSICIANSHIP *One credit hours*

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.

MUS 341, 342 COMPOSITION *Three credit hours each*

Prerequisite for MUS 341—MUS 212; for MUS 342—MUS 341.

Students develop their compositional skills by writing in traditional as well as 20th century styles, in both small and large forms and for various media. Repeated registrations are required for the composition major.

MUS 411 CONTEMPORARY NOTATION *Two credit hours*

Prerequisite: MUS 207 or the consent of instructor.

Topics include new notational devices and the problems of score preparation.

MUS 412 SIXTEENTH-CENTURY COUNTERPOINT *Two credit hours*

A systematic study concentrating on the period of Palestrina.

MUS 413 STRUCTURE AND INTERPRETATION *Two credit hours*

Prerequisite: MUS 302 or the consent of instructor.

Structural analysis as applied to musical expression. The aim of this course is to demonstrate how the structure of music helps the performer to interpret and communicate its meaning.

MUS 415 TECHNIQUES OF SERIAL COMPOSITION *Two credit hours*

Prerequisite: MUS 207.

A course which develops written and analytical skills in twelve-tone composition, with special emphasis on the contributions of Schoenberg, Berg, Webern, and Babbitt.

MUS 416 LAYER ANALYSIS***Two credit hours****Prerequisite: MUS 302.*

Techniques of analysis presented according to the principles of Schenker, Salzer, and Cogan.

MUS 417 ELECTRONIC MUSIC***Two credit hours****Prerequisite: MUS 207.*

This course offers practical experience with synthesizers, computers, and multi-track recording equipment.

MUS 432 SENIOR RESEARCH IN MUSIC THEORY I***One credit hour*****MUS 433 SENIOR RESEARCH IN MUSIC THEORY II*****One credit hour***

Projects will consist of in-depth analysis and supporting research of a major work of symphonic proportions or a group of shorter works. It is expected that several analytical approaches will be utilized and that most of the research will be completed during the first semester. The second semester will be devoted to the writing of an extensive (minimum 25 pages) paper. A final copy is to be bound and, upon final approval, becomes part of the Conservatory library holdings.

Music History & Literature

Also see MUS 050 Independent Study

MUS 221 INTRODUCTION TO MUSIC LITERATURE***One credit hour***

Designed for music majors, this is an introductory course in techniques for listening to a variety of styles of music literature from the eighteenth, nineteenth and twentieth centuries.

MUS 222, 321, 322 MUSIC HISTORY & LITERATURE I, II, III ***Three credit hours each****Prerequisite for any of these courses: MUS 221, the ability to read music, and consent of instructor.*

Designed for music majors, this sequence of three courses comprises an historically oriented study of the principal eras of music as they developed in the Western World. The approach is through the study of composers and their environments, and musical scores and recorded examples. Special emphasis is placed on style traits and performance practices. Non-western music is included.

MUS 222 Music of the Medieval and Renaissance Eras**MUS 321 Music of the Baroque and the Classical Eras****MUS 322 Music of the Romantic and the Contemporary Eras****MUS 227 HISTORY OF OPERA*****Two credit hours***

An examination of opera from its origins in the 17th century to the present.

MUS 424 THE SYMPHONY AND SYMPHONIC POEM***Two credit hours****Prerequisite: MUS 321 or consent of the department.*

Analysis of and critical listening to major symphonic works. Study of historical and cultural influences will be included.

MUS 425 THE CONCERTO***Two credit hours****Prerequisite: MUS 321 or consent of the department.*

This course will study the development of the concerto form from the Baroque through the 20th century.

MUS 426 MASTERPIECES OF THE TWENTIETH CENTURY***Two credit hours****Prerequisite: MUS 322 or consent of the department.*

This course entails an in-depth study of scores and recordings of thirty masterpieces. Historic events and cultural forces that contribute to the recognition of a “masterpiece” will also be examined.

MUS 434 SENIOR RESEARCH IN MUSIC HISTORY I***One credit hour*****MUS 435 SENIOR RESEARCH IN MUSIC HISTORY II*****One credit hour***

The project will consist of in-depth analysis and supporting research of a major work, composer, or style period. It is expected that several analytical approaches will be utilized and that most of the research will be completed during the first semester. The second semester will be devoted to the writing of an extensive (minimum 25 pages) paper. A final copy is to be bound and, upon final approval, becomes part of the Conservatory library holdings.

Performance**MUS 010-030 PRIVATE LESSONS*****One to four credit hours***

Performance studies, available in all orchestral instruments, keyboard instruments, and voice. Credit hours assigned according to student’s degree requirements.

MUS 133 ENGLISH DICTION***One credit hour****Required of all voice majors.*

Instruction in the English language for singers.

MUS 134 ITALIAN DICTION***One credit hour****Required of all B.M. and B.M.T. voice majors*

Instruction in the Italian language for singers.

MUS 263 FRENCH DICTION***One credit hour****Required of B.M. voice majors; offered in alternate years.*

Instruction in the French language for singers.

MUS 264 GERMAN DICTION***One credit hour****Required of B.M. voice majors; offered in alternate years.*

Instruction in the German language for singers.

MUS 135, 136 VOICE CLASS I, II***One credit hour each***

Class instruction in voice, with emphasis on the development of basic skills. The class is intended for the voice minor and non-music major. Must be taken in sequence.

MUS 145, 146 PIANO SIGHT-READING LAB I, II***One credit hour each***

Class instruction in sight-reading and other basic keyboard skills for the non-piano music major. Individual piano instruction is part of the course. Open to music majors only. Must be taken in sequence.

MUS 160 INTRODUCTION TO CHAMBER MUSIC***One credit hour***

Acquaints string students with principles of ensemble playing. Emphasis is placed on rehearsal techniques, score study, and sight reading. A brief survey of chamber music literature is presented. Students rehearse individually and perform in class. Non-string majors may register with approval of instructor.

MUS 161 CHAMBER MUSIC***One credit hour***

Prerequisite: Permission of instructor

Rehearsal and performance of chamber music under faculty guidance. May be repeated for credit.

MUS 162 INTRODUCTION TO OPERA/MUSICAL THEATRE WORKSHOP***One credit hour***

For freshman musical theatre majors, vocal performance majors; others by permission only. The course explores the basic interpretive techniques of solo and group repertoire.

MUS 262 OPERA/MUSICAL THEATRE WORKSHOP***One credit hour***

Prerequisite: MUS 162 or consent of instructor.

Required for sophomore musical theatre and vocal performance majors; others by permission only. Over a two-year period, the course will cover musical theatre scene study, audition technique, monologues, solo and group repertoire, and an annual concert reading of a full musical. The course will also include professional understudy assignments as available, and guest lectures by visiting professionals.

MUS 362 OPERA/MUSICAL THEATRE WORKSHOP***One credit hour***

Prerequisite: MUS 262 or consent of instructor

Required for junior musical theatre and vocal performance majors; others by permission only. The course will cover advanced musical theatre scene study and opera scenes performed in their original languages. An annual concert reading of a full musical or an evening of opera scenes (depending on the major) will be presented in the spring.

MUS 462 ADVANCED OPERA/MUSICAL THEATRE WORKSHOP***One credit hour***

Prerequisite: MUS 362 or consent of instructor.

This course is required for senior musical theatre and vocal performance majors; others by permission only. It is meant to prepare the student for work in the professional arena. Areas to be covered include pictures, resumes, union affiliations, casting directors, agents, monologues and cold readings. The course will include preparation of materials for the senior recital. The spring semester will include the concert reading of a full musical or an evening of opera scenes.

MUS 164 COLLABORATIVE PIANO***One credit hour****Required of B.M. piano majors.*

The development of skills as collaborative pianist. Areas of study include vocal and instrumental accompanying, orchestral score reduction, chamber music, figured bass realization, sight-reading, and transposition. Course includes in-class performances and discussion as well as coaching of specific performance assignments.

MUS 181, 182 PIANO PEDAGOGY I, II***Two credit hours each****Required of B.M. piano majors.*

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. Must be taken in sequence.

MUS 249 GUITAR CLASS***One credit hour****Required of B.M.T. majors.*

Students learn to play 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 will also be included. Prior experience in reading music will be helpful but not required.

MUS 351 INTRODUCTION TO CONDUCTING***Three credit hours****Required of B.M. and B.M.E. majors.*

Fundamental techniques of choral and instrumental conducting, including basic beat patterns, preparatory motions, cues, and releases.

MUS 352 CHORAL CONDUCTING***Three credit hours****Prerequisite: MUS 351. Required of B.M. voice majors, B.M. organ majors.*

Intermediate conducting techniques specific to choral conducting.

MUS 353 INSTRUMENTAL CONDUCTING***Three credit hours****Prerequisites: MUS 313, 351. Required of B.M. instrumental majors.*

Intermediate conducting techniques specific to instrumental conducting.

MUS 371, 372 VOCAL LITERATURE I, II***Two credit hours each****Required of B.M. voice majors*

These courses are intended to familiarize students with the main body of vocal recital literature. Segments are devoted to the lied, to the French *mélodie*, and to the British and American art song, along with Russian and Czech literature.

MUS 374, 375 PIANO LITERATURE I, II***Two credit hours each****Required of B.M. piano majors*

A survey of keyboard literature from Elizabethan times to the present.

MUS 381, 382 VOCAL PEDAGOGY I, II*One credit hour each**Required of B.M. voice majors*

The study of technical functions of singing, combining historical pedagogy with current research in the acoustics and physiology of the human voice. Vocal exercises, problem-solving techniques, and development of a personal philosophy of voice training are included.

**MUS 383 INSTRUMENTAL PEDAGOGY:
WINDS/PERCUSSION/STRINGS***Two credit hours*

This course will develop a knowledge of pedagogical techniques in the principal performing area. Opportunities for teaching experiences will be provided. Required of all BM instrumental majors.

MUS 385 ORCHESTRAL REPERTOIRE: WINDS/PERCUSSION *One credit hour*

For woodwinds, brass, and percussion students. Intensive study and performance of the standard orchestral repertoire. Classes are taught and coaching is provided by Wind/ Percussion Department faculty members. Emphasis is placed on literature most frequently required by professional auditions. May be repeated for credit.

MUS 398,399 JUNIOR RECITAL*one-half credit hour**Prerequisite: Approval of department*

Under the guidance of their major professors, students will select, prepare, and perform a recital program of moderate length. Repertoire is chosen to represent an appropriate level of technical achievement and a variety of musical styles.

MUS 463 SEMINAR IN PERFORMANCE*One to three credit hours*

Guided individual study in areas especially related to musical performance, including historical performance practice. May be repeated for credit.

MUS 498, 499 SENIOR RECITAL*One credit hour**Prerequisite: Approval of department.*

Under the guidance of their major professor, students will select, prepare, and perform a full length recital program. Repertoire is chosen to represent an appropriate level of technical achievement and a variety of musical styles.

Music Education**MUS 080 VOICE FOR THE MUSIC EDUCATOR***One credit hour**Required for Instrumental B.M.E.*

Introduction to the basic elements of vocal development as related to P-12 instruction, with the evaluation and development of instructional materials.

MUS 081 BRASS I*one-half credit hour*

Class instruction in cornet, trumpet, French horn, trombone, baritone, and tuba, with emphasis on the development of basic skills and the understanding of pedagogical techniques and materials.

MUS 082 BRASS II*One-half credit hour*

Prerequisite: MUS 081 for instrumental B.M.E.; none for vocal B.M.E.

A continuation of MUS 081 with particular emphasis on pedagogical skills demonstrated through peer teaching of vocal B.M.E. students.

MUS 083 GUITAR*One-half credit hour*

Class instruction in guitar for music education students, with emphasis on the development of basic skills, the understanding of pedagogical techniques and materials, the ability to use the guitar in accompaniment, and demonstration of pedagogical techniques through peer teaching.

MUS 084 WOODWINDS I*One-half credit hour*

Class instruction in flute, clarinet, saxophone, oboe, and bassoon, with emphasis on the development of basic skills and the understanding of pedagogical techniques and materials.

MUS 085 WOODWINDS II*One-half credit hour*

Prerequisite: MUS 084 for instrumental B.M.E.; none for vocal B.M.E.

A continuation of MUS 084 with particular emphasis on pedagogical skills demonstrated through peer teaching of vocal B.M.E. students.

MUS 086 STRINGS I*One-half credit hour*

Class instruction in violin, viola, cello, and bass, with emphasis on the development of basic skills and the understanding of pedagogical techniques and materials.

MUS 087 STRINGS II*One-half credit hour*

Prerequisite: MUS 086 for instrumental B.M.E. applied; none for vocal B.M.E.

A continuation of the study of MUS 086 with particular emphasis on pedagogical skills demonstrated through peer teaching of vocal B.M.E. students.

MUS 088 PERCUSSION I*One-half credit hour*

Class instruction in percussion instruments, with emphasis on the development of basic skills and the understanding of pedagogical techniques and materials.

MUS 089 PERCUSSION II*One-half credit hour*

Prerequisite: MUS 088 for instrumental B.M.E.; none for vocal B.M.E.

A continuation of the study of MUS 082, expanded to include marching percussion and the drum set. Particular emphasis on pedagogical skills demonstrated through peer teaching of vocal B.M.E. students.

MUS 101 INTRODUCTION TO MUSIC EDUCATION***Two credit hours***

A survey course with emphasis on the organizational structure of American schools, foundational aspects of education, and the history, philosophy, and curricular structure of P-12 music education. Field experience required.

MUS 120 ELEMENTARY MUSIC METHODS***Two credit hours***

Prerequisite: MUS 101; MUS 080 for instrumental B.M.E., MUS 133 for vocal B.M.E.

A study of the philosophy, materials, and teaching procedures of music, pertaining to children age three through grade six. Field experience required.

MUS 125 INTEGRATED DICTION I***One credit hour***

Prerequisite: MUS 133

The purpose of the course is to provide the basic tools for singing in Latin, Italian, and Spanish. The use of the International Phonetic Alphabet, mastered in the prerequisite courses, will serve as a basis for comprehending the pronunciation of foreign texts.

MUS 215 INTEGRATED DICTION II***One credit hour***

Prerequisite: MUS 133 and MUS 125

The purpose of the course is to provide the basic tools for singing in French, German, and Hebrew. The use of the International Phonetic Alphabet, mastered in the prerequisite courses, will serve as a basis for comprehending the pronunciation of foreign texts.

MUS 210 MIDDLE/JUNIOR HIGH SCHOOL MUSIC METHODS ***Two credit hours***

Prerequisite: MUS 120 and passing of lower division B.M.E. review or approval of music education committee.

A study of the materials and methods of teaching general, choral, and instrumental music found in the middle and junior high school programs (grades 5-9). Field experience required.

MUS 214 IMPROVISATION AND JAZZ TECHNIQUES***One credit hour***

Prerequisite: Successful completion of B.M.E. sophomore review.

The development of basic skills in improvisation relative to a variety of styles and pedagogical techniques for P-12 music instruction. While improvisation is not limited to jazz, emphasis will be placed on vocal and instrumental jazz techniques as related to ensembles in P-12 music programs.

MUS 220 SECONDARY MUSIC METHODS***Three credit hours***

Prerequisite: MUS 101, MUS 120, and MUS 210

A study of materials and methods of teaching all phases of music in the secondary schools. Field experience required.

**MUS 225 TEACHING MUSIC THROUGH REHEARSING
AND CONDUCTING*****Two credit hours***

Prerequisite: MUS 210 and concurrently with MUS 220.

A study of the fundamental techniques of conducting, subject content, and the instruction/rehearsal environment of performance classes in school music programs. Field experience required.

MUS 226 HISTORY OF AMERICAN POPULAR MUSIC *One credit hour*

An historical survey of popular music performed and composed in the United States from the arrival of the earliest Spanish and English colonists to the present.

MUS 228 CHOREOGRAPHY FOR THE MUSIC EDUCATOR *One credit hour*

Prerequisite: HPE 131 - any basic level dance class

Basic choreography and stage techniques, including spatial design, using age-appropriate dance skills for age three through grade 12.

MUS 310 MARCHING BAND TECHNIQUES *One credit hour*

Prerequisite: MUS 220. Required of instrumental B.M.E., strongly recommended for vocal B.M.E.

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.

MUS 315 TECHNOLOGY FOR THE MUSIC EDUCATOR *Three credit hours*

Prerequisite: Successful completion of B.M.E. sophomore review or by approval of music education committee.

An introduction to educational technology with special emphasis on computer literacy and use of the computer in instruction, preparation of instructional materials, and program management in school music programs.

MUS 320 PRODUCTION TECHNIQUES *One credit hour*

Prerequisite: MUS 220 required, MUS 224 recommended. Required for vocal B.M.E., strongly recommended for instrumental B.M.E.

An introduction to basic elements and materials of staging, lighting, stage design, costuming, and general production considerations relative to K-12 productions including musicals/oprettas, madrigal dinners, show choirs, and various stage productions. Field experience required.

MUS 325 P-12 MUSIC EDUCATION *Two credit hours*

Prerequisite: MUS 101, 120, 210, and 220.

A detailed examination of the duties and responsibilities involved in the administration of the P-12 music program. Areas include budgeting, scheduling, recruiting, public relations, purchasing of equipment and materials, working with booster organizations, and fund-raising. Field experience required.

MUS 326 CLASS INSTRUMENTS RECAP *One credit hour*

Prerequisites: Completion of MUS 080-089 for instrumental B.M.E.; MUS 082, 083, 085, 087, and 089 for vocal B.M.E.

A review and refinement of basic skills and pedagogical techniques of all brass, woodwind, percussion, and string instruments. Peer teaching in homogeneous and heterogeneous instrument groupings, including beginning band/orchestra techniques. Field experience required.

MUS 327 ARRANGING***One credit hour***

Prerequisite: Completion of required B.M.E. instrument sequences, including MUS 080 for instrumental B.M.E.; MUS 120, 210, and 220.

The development of skills in organizing the musical mechanics and expressive elements involved in arranging music appropriate for P-12 vocal and instrumental ensembles.

MUS 400 SENIOR BME RESEARCH***One credit hour***

Prerequisite: Successful completion of B.M.E. junior comprehensive examination.

An in-depth study of a music education topic or issue using quantitative and/or qualitative research methodology approved by the major professor and music education committee. An introduction to basic research techniques will be provided in seminar sessions. With the approval of the major professor and the applied teacher, the project may be coordinated with the B.M.E. partial recital, resulting in a conducting or lecture-recital. Upon final approval of the major professor, a copy of the document is to be bound and becomes part of the Kerschner Music Education Curriculum Center holdings.

Division of Education courses required for B.M.E. students are listed earlier in this section. They include: EDU 102, Introductory Field Experience; EDU 202, Intermediate Field Experience; EDU 103, Education of Children With Special Needs; EDU 340, Assessment of Teaching and Learning; EDU 201, Teaching Strategies and Management Skills; EDU 491, Music Student Teaching.

Ensembles**MUS 161 CHAMBER MUSIC*****One credit hour***

Rehearsal and performance of chamber music under faculty guidance. May be repeated for credit.

MUS 163-1 SYMPHONY ORCHESTRA***One credit hour*****MUS 163-2 SYMPHONIC WIND ENSEMBLE*****One credit hour*****MUS 163-3 COLLEGE CHOIR*****One credit hour*****MUS 163-4 MOTET CHOIR*****One credit hour*****MUS 163-5 BRASS CHOIR*****One credit hour*****MUS 163-6 PERCUSSION ENSEMBLE*****One credit hour*****MUS 163-7 WOMEN'S CHOIR*****One credit hour*****MUS 163-8 CLARINET CHOIR*****One credit hour*****MUS 163-9 JAZZ BAND*****One credit hour*****MUS 163-10 GUITAR ENSEMBLE*****One credit hour*****MUS 163-11 COLLEGIUM MUSICUM*****One credit hour*****MUS 163-12 FLUTE ENSEMBLE*****One credit hour*****MUS 163-13 DIMENSIONS STAGE CHOIR*****One credit hour***

Qualified liberal arts students are encouraged to participate in Conservatory ensembles; audition required. May be repeated for credit.

Music Therapy

MUS 151 INTRODUCTION TO MUSIC THERAPY

Two credit hours

Provides an overview of the profession including terminology, history, and practical application of music therapy for various client populations. Assessment of personal qualities necessary to become a music therapist is an ongoing process of the class. Observations of music therapists and those in related fields are required in addition to class work.

MUS 251 MUSIC THERAPY IN PSYCHIATRY AND REHABILITATION

Three credit hours

Clinical methods as they relate to working with psychiatric, elderly, medical, head-injured, and addicted clients.

MUS 252 RECREATIONAL MUSIC - PROGRAMMING AND LEADERSHIP

Two credit hours

The main focus of this course is the student's 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 observation are required.

MUS 253 MUSIC THERAPY PRACTICUM

One credit hour

Provides students with experience working in a community agency. Each experience includes a musical and behavioral assessment of the group or individual, the development and implementation of ongoing treatment procedures and evaluation. A minimum of three practica required.

MUS 361 MUSIC THERAPY WITH THE DEVELOPMENTALLY DISABLED

Three credit hours

Clinical practice as it relates to working with mentally retarded, autistic, sensory-impaired, physically challenged, and learning-disabled clients.

MUS 451 PSYCHOLOGY OF MUSIC I

Two credit hours

An overview of current research in music learning, music preference, acoustics, influence of music on listener behavior, and measurement of music achievement and performance.

MUS 452 PSYCHOLOGY OF MUSIC II

Two credit hours

This course provides students with practical exposure to research methods. Students will pursue independent research projects incorporating the most common methods of data analysis and test design.

MUS 453 PROGRAM DEVELOPMENT AND ADMINISTRATION IN MUSIC THERAPY

Three credit hours

Program planning, scheduling, budgeting, and public relations strategies are main topics. Procedures of documentation, standards of practice, codes of ethics, and legislative issues relating to the practice of music therapy are also covered.

MUS 454 INTERNSHIP*One credit hour*

Six months of full-time clinical experience in an AMTA-approved facility. Documentation and special research projects are included according to the clinical internship training plan. Internship must be completed within two years of completing course work.

Music in the Liberal Arts**010-030 PRIVATE LESSONS IN APPLIED MUSIC***One credit hour*

Prerequisite: Previous study and permission of Associate Director, Conservatory

Instruction in keyboard, wind, percussion, string instruments, and voice. May be repeated for credit. An extra tuition fee is charged.

MUS 135 VOICE CLASS I*One credit hour*

Introduction to the basic elements of voice including psychological concerns, the vocal mechanism, the singing process, diction, principles, and introduction to the International Phonetic Alphabet and expressive techniques.

MUS 136 VOICE CLASS II*One credit hour*

A continuation of MUS 135.

MUS 141 BEGINNING PIANO CLASS*One credit hour*

Piano for liberal arts students who have had little or no piano experience.

MUS 163 ENSEMBLE

Qualified liberal arts students are encouraged to participate in Conservatory ensembles; audition required. May be repeated for credit.

SYMPHONY ORCHESTRA*One credit hour***SYMPHONIC WIND ENSEMBLE***One credit hour***COLLEGE CHOIR***One credit hour***MOTET CHOIR***One credit hour***BRASS CHOIR***One credit hour***PERCUSSION ENSEMBLE***One credit hour***WOMEN'S CHOIR***One credit hour***CLARINET CHOIR***One credit hour***JAZZ BAND***One credit hour***GUITAR ENSEMBLE***One credit hour***COLLEGIUM MUSICUM***One credit hour***FLUTE ENSEMBLE***One credit hour***DIMENSIONS STAGE CHOIR***One credit hour***MUS 171 THE ART OF LISTENING TO MUSIC***Two credit hours*

An introductory course designed for the non-music student, with the goal of becoming familiar with representative masterpieces of classical music.

- MUS 172 MUSIC APPRECIATION** *Two credit hours*
- A course designed to develop a basic understanding of styles and idioms of music through exposure to various periods in the history of world music.
- MUS 173 JAZZ HISTORY** *Two credit hours*
- This class begins with early jazz such as Dixieland and Ragtime, and progresses through the various style periods to the present.
- MUS 175 WORDS AND MUSIC** *Two credit hours*
- The course explores musical embodiments of poetry, fiction, and drama. Examples include classical and popular songs, choral works, opera and ballet scenes, selections from musicals, program music, and incidental music for plays and film scores.
- MUS 179 JAZZ IMPROVISATION** *Two credit hours*
- A course in building basic improvisational skills; some performance background is necessary.
- MUS 192 MUSIC IN THE ELEMENTARY CLASSROOM** *Two credit hours*
Required of all elementary education majors. May not be applied to the humanities requirement.
- A study of the methods and materials used by the classroom teacher in teaching music in the elementary classroom.
- MUS 195 WORLD MUSIC** *Two credit hours*
- Designed for students with multicultural interests, the course encourages individual research in music of specific ethnic groups.
- MUS 249 GUITAR CLASS** *One credit hour*
- Students learn to play 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 will also be included. Prior experience in reading music will be helpful but is not required.
- MUS 417 ELECTRONIC MUSIC** *Two credit hours*
- Designed for the liberal arts student, this course covers basic techniques and provides opportunity to work with mixers, recorders, microcomputers, and digital synthesizers.

SECTION X

GRADUATE PROGRAMS

MASTER OF ARTS IN EDUCATION

Baldwin-Wallace College is accredited by the National Council for Accreditation of Teacher Education and the North Central Association of Colleges and Schools at the Master's level. The graduate program in education was approved by the Ohio Board of Regents in May 1974 and was initiated in January 1975.

The graduate certification programs for reading, instructional supervision, administration, and mild/moderate educational needs are also approved by the National Council for Accreditation of Teacher Education, the North Central Association of Colleges and Schools, the Ohio Department of Education and the State Board of Education.

The objective of the graduate program at Baldwin-Wallace is to stimulate and guide early childhood, middle childhood, and adolescent/multi-age teachers toward professional competency and intellectual maturity, built upon a sound philosophy of education in a liberal arts setting. Increasing the competency of teachers to assume greater responsibility and leadership in the elementary, middle grades and secondary schools is the purpose of the graduate program.

Academic Calendar

The Master of Arts in Education Program follows the same semester calendar as the undergraduate liberal arts program with only minor modifications in the summer calendar. The summer calendar includes an intersession, May 17-July 1 of evening classes and day classes beginning June 28. Please refer to the calendars on page 1 for other pertinent dates.

Admission Requirements

Baldwin-Wallace College admits students of any race, sex, color, national and ethnic origin to all the rights, privileges, programs and activities generally accorded or made available to students at the College.

Although each applicant for admission to the graduate program in education will be judged on individual circumstances, certain general guidelines provide direction to the prospective student. All admissions will be made through the Admission Office with guidance on specific programs from the Director of Admissions, the Admission Committee, the Director of the Graduate Program in Education, and the Master of Arts in Education Graduate Council. Requirements include the following:

1. All applicants must have a bachelor's degree from an accredited college or university. Possession of a valid teaching certificate is a requirement for admission to the program. Applicants who do not meet these standards may have their credentials reviewed by the Director of the Graduate Program for consideration by the Graduate Council in Education. Student teaching is not part of the graduate program.

2. All applicants with a minimum undergraduate grade point average of 2.750 (“A” equals 4.000) in the last two years of their college work (the last 60 credits of graded work) will automatically be considered for admission. Applicants who have less than a 2.750 but not less than a 2.300 average may be admitted on the basis of an acceptable score on the Miller Analogies Test. An applicant who does not have at least a 2.300 quality point average will not be considered for the graduate degree program. Applicants who do not successfully pass this test may petition to retake the test after a lapse of one year. The faculty members of the Division of Education and/or others associated with the admissions procedure reserve the right to require an applicant, regardless of quality point average, to take the Miller Analogies Test. An applicant who already holds a Master’s degree in education or in a teaching field from an accredited college or university and who meets the professional certification requirements above, will be admitted without reference to the undergraduate average.
3. At least two letters of recommendation from former professors, principals, supervisors, or other persons qualified to estimate the applicant’s ability to pursue successfully a program of graduate study in education.

In all cases, applicants must submit official transcripts of all college level work, together with supporting recommendations from educators who are familiar with the teaching competencies of the candidate. It is expected that all applicants will be seriously interested in teaching or related careers.

Admission to Candidacy for a Degree

A student is expected to initiate action to be accepted for candidacy for the degree of Master of Arts in Education upon completion of the required core courses (12 hours). With permission of the Director of the Graduate Program, a student may qualify for candidacy by completing four graduate courses in the program. Acceptance as a candidate for a degree is based upon the student’s quality of work in the core graduate courses or substitute courses (grades must average “B” or better). Without admission to candidacy for the Master’s degree, a graduate student may not register for more than four courses (excluding workshops) in the graduate program. Application must be filed in the Division of Education Office.

Grading System

At the conclusion of each course, letter grades are assigned to the student for the course work. Grades given include 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 before the end of the sixth week of the regular semester immediately following. The “T” or temporary non-credit grade indicates that work in the course is continuing and is thus far satisfactory. The “W” is a withdrawal and no quality points.

Students who decide to drop a course or to withdraw completely for the semester must inform either the Director of the Master of Arts in Education Program or the Registrar’s Office for this change to become official. A student 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 the Graduate Program and the Registrar only in cases of prolonged illness, change in employment, or in other circum-

stances 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.

Requirements for Graduation

The candidate for the Master of Arts in Education degree (M.A. in Ed.) is expected to meet the following requirements for graduation:

1. Must successfully complete the program as outlined with a minimum of 33-34 credit hours and must have attained at least a 3.000 grade point average in total work attempted while registered in the M.A. in Ed. program. (No more than 6 hours of "C" work or less than "C" work is permitted if a student is to remain as a degree candidate.)
2. Shall complete all the degree requirements within a six-year period from the date of enrollment. Exceptions generated by unusual circumstances must be approved by the director of the programs and the Graduate Council in Education.
3. May be required to appear before a special review board before continuing course work if it appears that standards may not be met.
4. May receive no more than 4 credit-hours of graduate transfer credit at the time of admission —see also section following on transfer policy.
5. Must complete at least four foundation courses and one graduate level enrichment course in a liberal arts area.
6. Must complete a written comprehensive examination of which a major portion will be in the area in which the student has specialized. A student may be required to take an oral examination and/or additional prescribed courses after the results of the written comprehensive have been evaluated. **Application must be filed in the Division of Education Office.**

Transfer Policy

Credits transferred for application toward the Master of Arts in Education degree are subject to the following conditions:

1. No more than 4 credit-hours may be transferred under special circumstances with the approval of both the Director of the Program and the Registrar; an additional 2 credit-hours may be transferred when the additional credits are equivalent to a required course in the Baldwin-Wallace College program.
2. The credits to be transferred must not have been used to fulfill requirements for an undergraduate degree.
3. The credits must have been recorded as graduate credit by the institution granting them; the granting institution must be fully accredited for graduate studies.
4. The credits must have been earned within a six-year period immediately preceding the student's entry into the program.

5. To be acceptable for transfer, grades earned must be either “A” or “B”.

6. The credits must fit into the educational program of the student, either as equivalent to existing Baldwin-Wallace College courses or as appropriate electives.

Extension of Six-Year Time Limit

Failure to complete degree requirements within the six-year maximum limit will result in removal of degree candidacy. Any graduate student who wishes to extend the six-year limit on completing the graduate program may petition in writing to the Director of the graduate program. The request should include the reasons for needing the additional time and should cite a specific completion date no longer than one academic year.

Admission as a Non-Degree (Special) Student

An applicant may be accepted for certain designated courses with evidence of a Master’s degree. This non-degree (special) classification may be retained provided the student’s work meets the standards set up for the regular graduate program. The non-degree student desiring to become a degree student must meet admission requirements.

Admission as a Workshop Student

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, a workshop may not be applied toward the master’s degree.

Tuition*

At the time of application, a non-refundable application fee of \$15.00 is required. This non-refundable \$15.00 application fee also applies to the workshop/special student application. The Master of Arts in Education program is fully approved for veterans’ educational benefits. Please refer to the College posted charges for tuition information.

Payment of tuition must be made prior to the first class of each semester, even if students are receiving tuition benefits from their employers for which they 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 is not available for the graduate programs. Graduate students are eligible for Guaranteed Student Loans.

**Costs are subject to change without notice.*

Refund Policy

Students who withdraw from a course will receive refund of their tuition payments in accordance with the standard published refund table.

Curriculum

Reading Specialization

I. Foundations of Education (12 credits)

These 12 hours are to be completed by all students before applying for degree candidacy.

Exceptions permitted with special approval of the Director of the M.A.Ed. program.

- EDU 510 Educational Studies (3 credits)
- EDU 511 Educational Research (3 credits)
- EDU 512 Psychological Foundations (3 credits)
- EDU 514 Instructional Technology (3 credits)

II. Professional Specialization (19 credits)

- EDU 541 Foundations of Reading and Language Arts (3 credits)
- EDU 542 Teaching Reading in the Content Areas (3 credits)
- EDU 543 Diagnostic and Corrective Reading Methods (3 credits)
- EDU 544 Practicum in Reading (4 credits)
- EDU 545 Research in Literacy Education (3 credits)
- EDU 546 Child and Adolescent Literature (3 credits)

III. Enrichment (required) (3 credits)

Supervision/Administration

I. Foundations of Education (12 credits)

These 12 hours are to be completed by all students before applying for degree candidacy. Exceptions permitted with special approval of the Director of the M.A. Ed. program.

- EDU 510 Educational Studies (3 credits)
- EDU 511 Educational Research (3 credits)
- EDU 512 Psychological Foundations (3 credits)
- EDU 514 Instructional Technology (3 credits)

II. Professional Specialization (18 credits)

- EDU 513 Liberal Arts Enrichment - Politics and Economics (3 credits)
- EDU 552 The School Curriculum/Instruction (3 credits)
- EDU 553 General Supervision and Professional Development (3 credits)
- EDU 554 Pupil Personnel Services (3 credits)
- EDU 555 Principles of School Administration (3 credits)
- EDU 556 Strategic Planning and Evaluation (3 credits)
- * EDU 557 Internship for Supervisors (3 credits)

Post-Masters--Administration (12 credits)

- EDU 590 Advanced Principles of Management Leadership (3 credits)
- EDU 591 School Law/Governance (3 credits)
- EDU 592 School Finance/Business Management (3 credits)
- * EDU 593 Internship for Administrators (3 credits)

* Application must be filled out in the Division of Education Office one semester prior to internship.

This program is under review by the State Department of Education and changes may occur.

Mild/Moderate Educational Needs

I. Foundations of Education (12 credits)

These 12 hours are to be completed by all students before applying for degree candidacy. Exceptions permitted with special approval of the Director of the M.A.Ed. program.

EDU 510 Educational Studies (3 credits)

EDU 511 Educational Research (3 credits)

EDU 512 Psychological Foundations (3 credits)

EDU 514 Instructional Technology (3 credits)

II. Professional Specialization (20 credits)

EDU 542 Teaching Reading in the Content Areas (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 576 Behavior Management in Special Education (2 credits)

EDU 577 Assessment & Remediation Strategies for Students with Mild/
Moderate Educational Needs (3 credits)

EDU 578 Student Teaching - Mild/Moderate Educational Needs
(ages 5-21) (5 credits) **OR**

EDU 579 Practicum in Mild/Moderate Educational Needs (4 credits)

EDU 563 Seminar/Topics in Mild/Moderate Educational Needs (2 credits)

III. Enrichment (required) (3 credits)

EDU 513 One course to be selected from liberal arts offerings.

Optional Courses

EDU 563 Seminar - Special areas of concentrations as needed

EDU 565 Workshop - Topics to be Announced

This program is under review by the State Department of Education and changes may occur.

Option 3 Program

The Option 3 program is an alternative licensure program for a student with a degree, but no license. The student must fulfill all requirements for general education, professional education, specialization, and specialty teaching field, including student teaching. The student earns a license in the specialty area, a Master's degree, and license in the Master's major. This is done by completing courses in general education, professional education, and specialty teaching field at the undergraduate level which they have not already completed in the Bachelor's program. The student must also complete undergraduate professional education courses that are not covered in the professional education courses in the Master's program. Before a license is issued, the student must complete all requirements for the license and the degree in the Master's program. The following are the Option 3 programs available at Baldwin-Wallace College. Check in the Division of Education for the "Model Program" sheets delineating the requirements for each Option 3 program.

Early Childhood Education License (with Reading Endorsement) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to a early childhood education license (prekindergarten through grade three). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, early childhood education license, and Reading endorsement. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Early Childhood Education License (with Mild/Moderate Educational Needs License) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to an early childhood education license (prekindergarten through grade three), and Mild/Moderate Educational Needs license. Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, early childhood education license, and Mild/Moderate Educational Needs license. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Early Childhood Education License (with Pre-Administration) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to early childhood education license (prekindergarten through grade three). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, and an early childhood license. (Additional courses in administration [Post M.A. in Ed.] lead to principal license.)

Middle Childhood Education (with Reading Endorsement) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to Middle Childhood Education (grades four through a combination of graduate and undergraduate courses, the individual may complete an Master of Arts in Education degree, middle childhood education license, and Reading endorsement. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Middle Childhood Education (with Pre-Administration) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to middle childhood education license (grades four through nine). Through a combination of graduate and undergraduate courses, the individual may complete an Master of Arts in Education degree and a middle childhood education license. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree. Post-masters courses will lead to the Principal's license at the Middle Childhood level.

Adolescent Young Adult Education/Multi-Age License (with Reading Endorsement) (Option 3). This program is designed for the college graduate who has not completed a course of study leading to adolescent young adult education license (grades seven through twelve) or multi-age license (prekindergarten through grade twelve). Through a combination of graduate and undergraduate courses, the individual may earn a Master of Arts in Education degree, adolescent young adult education license or multi-age license, and Reading endorsement. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Adolescent Young Adult Education/Multi-Age License (with Pre-Administration)

(Option 3) This program is designed for the college graduate who has not completed a course of study leading to adolescent young adult education license (grades seven through twelve) or multi-age license (prekindergarten through grade twelve). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree and an adolescent young adult education license or multi-age license. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree. Post-masters courses will lead to the Principal's license at the Adolescent Young Adult or Multi-age level.

Adolescent Young Adult Education/Multi-Age License (with Pre-Administration)

(Option 3) This program is designed for the college graduate who has not completed a course of study leading to adolescent young adult education license (grades seven through twelve) or multi-age license (prekindergarten through grade twelve). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree, adolescent young adult education license or multi-age license, and Reading endorsement (K-12). The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Intervention Specialist License--Mild/Moderate Educational Needs License (Option 3)

This program is designed for the college graduate who has not completed a course of study leading to mild/moderate educational needs license (K-12). Through a combination of graduate and undergraduate courses, the individual may complete a Master of Arts in Education degree and mild/moderate educational needs license. The license will not be issued until all of the requirements are completed and the candidate is eligible for the Master of Arts in Education degree.

Details concerning the Option 3 program may be obtained in the Division of Education Office.

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 Educational Needs. The Praxis II consists of the Principles of Learning and Teaching Exam and the Specialty Exam, if required.

Candidates currently holding a license and seeking endorsement will be tested only in the areas that they intend to add. Thus, candidates adding Reading to their license must take the exam in that area. Option 3 candidates must take all exams for licensure and endorsements.

Candidates currently holding a license and seeking educational personnel license (e.g. supervisor or 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."

Course Descriptions

Required of All Candidates

EDU 510 EDUCATIONAL STUDIES

Three credit hours

Required of all candidates

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

Three credit hours

Required of all 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 512 PSYCHOLOGICAL FOUNDATIONS

Three credit hours

Required of all candidates

The student will study human development from birth through early adulthood. Emphasis will be on understanding language, cognitive, and social development. Students will examine the implications of developmental factors for teaching and learning.

EDU 513 LIBERAL ARTS ENRICHMENT

Three credit hours

Required of all candidates

This course is designed to broaden the liberal arts background, and to strengthen knowledge of selected disciplines of liberal arts. Courses in various academic disciplines will be offered.

EDU 513 LIBERAL ARTS ENRICHMENT– POLITICS & ECONOMICS

Three credit hours

Required of secondary supervision and administration candidates

This course is an in-depth study of the political and economic structures as they affect the educational process focusing on federal, state and local levels of government.

EDU 514 INSTRUCTIONAL TECHNOLOGY

Three credit hours

Required of all candidates

Students 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. Students 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. Individualized instruction will provide the opportunity for students in the various areas of reading mild/moderate educational needs and administration to develop the skills needed most in their specialties.

Reading Specialization

EDU 541 FOUNDATIONS OF READING AND LANGUAGE ARTS *Three credit hours*
Required of all reading candidates

This course is a study of the developmental stages of reading and language arts, including skills components, evaluation methods and instructional approaches with focus on reading and writing. It is an overview of the historical trends and the current theories and models of the reading and writing process.

EDU 542 TEACHING READING IN THE CONTENT AREAS *Three credit hours*
Required of all reading candidates. Prerequisite: EDU 541

This course is an in-depth analysis of content area materials and the content area strategies. Students will study issues and trends in content area reading instruction.

EDU 543 DIAGNOSTIC AND CORRECTIVE READING METHODS *Three credit hours*
Required of all reading 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.

EDU 544 PRACTICUM IN READING *Four credit hours*
Required of all reading candidates. Prerequisites: EDU 541, 542, 543

Students will evaluate children who have been referred for reading difficulties. They will plan and implement a remedial program for the children.

EDU 545 RESEARCH IN LITERACY EDUCATION *Three credit hours*
Required of all reading candidates. Prerequisites: EDU 541, 542, 543, 544

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 *Three credit hours*
Required of all reading 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.

Supervision/Administration

**EDU 513 LIBERAL ARTS ENRICHMENT -
POLITICS AND ECONOMICS** *Three credit hours*
Required of early childhood, middle childhood, and secondary supervision and administration candidates.

This course is an in-depth study of the political and economic structures as they affect the educational process focusing on federal, state and local levels of government.

EDU 552 GENERAL SUPERVISION AND PROFESSIONAL DEVELOPMENT

Three credit hours

Required of all early childhood, middle childhood, and secondary supervision and administration candidates

This course is a study of the underlying principles of the teaching-learning process with emphasis given to both formative and summative evaluation of the teaching act and to the current theory on the learning needs of educators. This course will encourage teacher-leaders to model a planned progression for improvement on a continuing basis and provide instruction for working with adults, i.e., communication skills, supervisory skills, team building, etc. All levels (K-12) will be taken into consideration.

EDU 553 THE SCHOOL CURRICULUM/INSTRUCTION

Three credit hours

Required of all early childhood, middle childhood, and secondary supervision and administration candidates

This course is a study of curriculum theory and program development, with emphasis on current practices and procedures. Emphasis will be on early childhood, middle and secondary grades, and will include the teaching of reading and mathematics; instructional methodology, diagnosis of learner needs and instructional strategies. Integrated curriculum, national and state reform movements, and the needs of special students will also be explored.

EDU 554 PUPIL PERSONNEL SERVICES

Three credit hours

Required of all early childhood, middle childhood, and secondary supervision and administration candidates

A study of pupil personnel services in today's schools, emphasis will be placed on the function, purpose and influence these services have on counselors, administrators, teachers, students and parents. Current issues including sexual harassment, gender preference, religious beliefs and others will be discussed. Pupil performance, assessment and accountability (specifically Ohio's proficiency tests) will be covered. Community resources including social agencies and their role in today's schools will be examined.

EDU 555 PRINCIPLES OF SCHOOL ADMINISTRATION

Three credit hours

Required of all early childhood, middle childhood, and secondary supervision and administration candidates

This course will analyze theories of early childhood, middle, secondary and alternative school administration, including practical applications. Leadership theory and practice will be studied, as well as the administrative skills needed in today's diverse school environments. Management leadership will be covered as well as community dynamics and human, community, and public relations.

EDU 556 STRATEGIC PLANNING AND EVALUATION

Three credit hours

Required of all early childhood, middle childhood, and secondary supervision and administration candidates

This course is an in-depth study of policy planning, short and long-range goal setting, and evaluation of school programs and pupil achievement. Public relations, grant writing and other funding sources will be studied.

EDU 557 INTERNSHIP FOR SUPERVISORS***Three credit hours***

Required of all early childhood, middle childhood, and secondary supervision and administration candidates. Prerequisites: A substantial portion of the sequence in supervision and approval of the Director of the Graduate Program.

This is a cooperatively planned, supervisory field experience in selected school districts. The individualized experience will also serve as an introduction to the role of the school administrator.

APPLICATION MUST BE FILED IN THE DIVISION OF EDUCATION OFFICE.

Post-Masters--Administration**EDU 590 ADVANCED PRINCIPLES OF
MANAGEMENT LEADERSHIP*****Three credit hours***

Prerequisites: EDU 555; required of all early childhood, middle childhood, and secondary administration candidates

This course is a continuation of Principles of School Administration. Special topics will include conflict resolution and interpersonal relations in a diverse society, the uses of computer technology in administration, public relations, buildings and grounds, cultural diversity and stress management. Special emphasis will be placed on partnership building and collaboration.

EDU 591 SCHOOL LAW/GOVERNANCE***Three credit hours***

Required of all early childhood, middle childhood, and secondary supervision and administration candidates

This course is a study of constitutional issues related to schools emphasizing major court cases and rights of individuals and groups. The law will be studied as it relates to staff personnel services, staff evaluation, employer-employee relations, collective bargaining, contract management and student affairs. School and state laws and regulations will be covered.

EDU 592 SCHOOL FINANCE/BUSINESS MANAGEMENT***Three credit hours***

Required of all early childhood, middle childhood, and secondary supervision and administration candidates

This course is a study of the overall fiscal and operational management of schools. A detailed examination of both the revenue and expenditure side of school finance will be studied. School safety, security, and management strategies will also be studied.

EDU 593 INTERNSHIP FOR ADMINISTRATORS***Three credit hours***

Required of all early childhood, middle childhood, and secondary supervision and administration candidates

This experience is designed for graduate students who have a substantial portion of the post-masters program completed. An administrative field experience in selected school districts will be cooperatively designed. Internship will be individualized according to licensure requirements for each individual.

APPLICATION MUST BE FILED IN THE DIVISION OF EDUCATION OFFICE.

This program is under review by the State Department of Education and changes may occur.

Mild/Moderate Educational Needs

EDU 542 TEACHING READING IN THE CONTENT AREAS *Three credit hours*
Required of all mild/moderate educational needs and reading candidates

This course is an in-depth analysis of content area materials and the content area strategies students will assess. Students will study issues and trends in content area reading instruction.

EDU 573 EDUCATION OF CHILDREN WITH SPECIAL NEEDS *Two 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 students 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.

EDU 574 INTRODUCTION TO STUDENTS WITH MILD/MODERATE EDUCATIONAL NEEDS *Three 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 the 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 576 BEHAVIOR MANAGEMENT FOR STUDENTS WITH MILD/MODERATE EDUCATIONAL NEEDS *Two credit hours*
Required of all Mild/Moderate Educational Needs candidates. Prerequisites: EDU 573, 574. May be taken concurrently with EDU 577.

This course is a study of classroom management approaches including behaviorists, psychodynamic, environmental, and biophysical models along with their legal and ethical implications. Baseline data collection, token economics, contracts and certificates, group processes, medical interventions, and classroom arrangements are discussed, as well as ways to communicate with parents and colleagues. Includes exercises in writing Individual Education Plans.

EDU 577 ASSESSMENT & REMEDIATION STRATEGIES FOR STUDENTS WITH MILD/MODERATE EDUCATIONAL NEEDS *Three credit hours*

Required of all Mild/Moderate Educational Needs candidates. Prerequisites: EDU 573, 574. May be taken concurrently with EDU 576

This course is a study of the use of formal and informal diagnostic instruments used for

planning individual instruction. Includes authentic, portfolio, curriculum-based, performance, and alternative assessment as well as standardized tests. Procedures for using such information for placement decisions and on IEP's are discussed. Methods and materials used to teach these individuals (ages 5-21) are examined.

EDU 578 STUDENT TEACHING - MILD/MODERATE EDUCATIONAL NEEDS (Ages 5-21) *Six credit hours*

Prerequisites: All Methods and Mild/Moderate Educational Needs Courses

This course is designed for graduate students 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 *Four credit hours*

Prerequisites: All Methods and Mild/Moderate Educational Needs Courses

This is a period of guided teaching of students with mild/moderate educational needs in a supervised setting during the summer. Students at the post-baccalaureate level who have completed the undergraduate mild/moderate educational needs sequence and who have completed at least one year of teaching or substituting in a chartered school may participate in this experience with graduate students.

EDU 563 SEMINAR/TOPICS IN MILD/MODERATE EDUCATIONAL NEEDS *Two credit hours*

Prerequisites: EDU 573, 574

Leadership, legal issues, and communication with parents and other professionals are among the topics designed to give graduate students the opportunity for personal growth and confidence to become effective leaders in the educational settings.

Optional Courses

EDU 563 SEMINAR

Course offerings in special areas of concentrations as needed and proposed - possible topics: reading, supervision, school administration, mild/moderate educational needs, middle school.

EDU 565 WORKSHOP

Topics to be announced. May be used for renewing certification.

This program is under review by the State Department of Education and changes may occur.

MASTER OF BUSINESS ADMINISTRATION IN SYSTEMS MANAGEMENT

The Master of Business Administration Program in Systems Management is a two-year evening or Saturday course of study. The program uses the general systems approach as a unifying theme.

Academic Calendar

The MBA program is designed so that participants can complete the sequence of 12 core and four hours of elective seminars in two years (two core courses per semester for six consecutive semesters plus four hours of elective seminars). Participants may choose an evening or an all-day Saturday program. In the evening program, the core courses run one evening per week, for 12 weeks. Each class meeting is three hours and 10 minutes in duration. The elective seminars usually run for three hours and ten minutes one night per week over a three week term. The three-week terms for elective seminars are offered in the Fall and Spring semesters. No seminars will be scheduled in the Summer semester.

The weekend program meets every Saturday during the semester. Normal course load is two core courses during the 12 week Fall, Spring and Summer Semesters, and a three week term for elective seminars during the Fall and Spring Semester. Classes meet from 9:00 a.m. to Noon and from 1:00 p.m. to 4:10 p.m.

Location

MBA classes are held on campus in Berea and on the east side of Cleveland at the Management Education Center in Beachwood.

Requirements for Admission

The central concern of the admission committee is selecting candidates who will be successful in the program. The admission committee does not use a rigid set of criteria to make this decision. The factors which are considered include:

- Graduation from an accredited undergraduate college or university.
- A minimum of two years of experience in a professional or entry level managerial position.
- A cumulative grade point average in undergraduate work of 3.0 out of a possible 4.0.
- A score of at least 500 on the Graduate Management Admission Test (GMAT). A score of 4.5 in the writing portion of the GMAT. If the applicant has taken the Graduate Record Exam (GRE) or has an earned master's degree or doctorate in any field from an accredited institution, he/she is exempt from taking the GMAT.
- 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 completed application together with the \$15 non-refundable application fee.
- A current, brief résumé focused on career and professional development and accomplishments plus leadership experiences on and off the job.
- Official transcripts of previous academic work.

Final approval for admission to the program will rest with the MBA Program Admission Committee, which may require completion of one or more of the foundation courses.

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-, 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, and only two "Cs" may be counted in the GPA.

An incomplete grade received during a given semester must be completed by the end of the sixth week 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 approval of the Registrar.

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 sixth 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" to be recorded.

Degree Requirements

The student must meet the following requirements for the Master of Business Administration degree:

- successfully complete any required foundation courses and the sequenced core curriculum (minimum of 40 credit hours);
- attain at least a 3.0 grade point average in total work attempted in the MBA program and a 3.0 grade point average in the 12 core courses of the program. If more than two "C's" are earned, courses with additional "C's" must be retaken until an "A" or "B" is earned; and
- complete all degree requirements within four calendar years of initial registration.

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 jointly by the Registrar and the director of the program); and
- the credit has not been counted toward an earned degree.

Tuition Payment

The MBA Program is fully approved for veterans' educational benefits. Payment of tuition and fees must be made prior to the first class of each semester. A delayed tuition payment plan is available for students who are receiving tuition benefits from their employers for which they will be reimbursed at a later date. Past due accounts will be charged a finance charge. Special payment arrangements must be made with the approval of the Bursar. Grades, transcripts and diplomas will not be released to students who have not paid their

accounts. The cashier's office will be open from 6:00 p.m. to 8:00 p.m. the first two nights of each semester. Institutional financial aid is not available for the graduate programs. However, graduate students are eligible for aid through the Federal Family Education Loan program. Information is available in the Financial Aid Office, Bonds Administration Building.

Refund Policy

Students who withdraw from a course will receive a refund of their tuition payment in accordance with the following table:

Time of Withdrawal	Refund
1st Week	90% of full tuition
2nd Week	60% of full tuition
3rd Week	50% of full tuition
4th Week	30% of full tuition

Foundation Course Descriptions

The following courses provide a foundation for the MBA program for individuals with limited business training. The department suggests that students discuss their academic background with the Director of the program 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.

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 500E ECONOMIC CONCEPTS AND POLICIES

Three credit hours

An introduction to economic principles starting with a survey of price - market structures and income distribution leading to the study of macroeconomic models. The course reviews economic relationships, problems, and institutions in preparation for a systematic study of the organization (the business firm and social enterprise) within its economic environment.

BUS 500M MARKETING AND MANAGEMENT

Three credit hours

This course examines the tasks and styles of managers in both the private and public sectors, with particular application to management of the marketing function. In addition, it focuses on strategic marketing and management issues and their components: product planning, distribution arrangements, pricing, and promotion.

BUS 500Q QUANTITATIVE ANALYSIS

Three credit hours

A course for individuals who have a limited background in computer skills and algebraic techniques. Students are exposed to statistical models and applications for quantitative methods in modern management.

**BUS 500R BUSINESS RESEARCH AND WRITING FOR
ACADEMIC AND CAREER SUCCESS**

Three credit hours

An introduction to current business research sources and techniques, as well as individual and group writing procedures for business or graduate studies in business administration. Emphasis is given to ethical and legal concerns in research and writing.

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. There is no three week term during the summer.

Core 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 situation at work and/or career.

BUS 524 MANAGEMENT SCIENCE/COMPUTER MODELS

Three credit hours

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 541 ORGANIZATIONAL BEHAVIOR

Three credit hours

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

A systematic investigation of 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

A study of accounting data to provide information for managerial decision-making. Emphasis is on cost accounting applied to management models including product pricing, job-order costing, cost-volume-profit analysis, profit planning, and budgets.

**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 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, 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 confront the effective 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 statistical quality control, PERT/CPM, inventory control, MRP, Monte Carlo simulations, as well as models developed in BUS 524.

BUS 625 MULTINATIONAL CORPORATIONS & INTERNATIONAL TRADE

Three credit hours

A systematic presentation of the multinational enterprise as the dominant private 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 capacity 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 course provides students with the opportunity to solve complex top management problems by integrating the theoretical and practical knowledge they acquired in previous courses.

MASTER OF BUSINESS ADMINISTRATION IN INTERNATIONAL MANAGEMENT

Baldwin-Wallace College offers the Master of Business Administration in International Management on both a full-time and part-time basis.

Academic Calendar

The full-time program is designed for individuals seeking the education necessary to become managers in a global corporate setting. Students are offered several advantages in this program: a one and one-half year format giving students the opportunity to work with professors who have years of managerial as well as academic experience; the opportunity to study with part-time students who, in many cases, are presently employed in international management positions, and the opportunity to take foundation courses with other graduate students entering Baldwin-Wallace College's MBA programs. The foundation courses make it possible for students with little or no undergraduate business education to participate successfully in the program. Students who acquire a strong academic record also have the opportunity to complete an optional honors internship.

The part-time evening program is designed for employed individuals who are seeking significant career advancement. Students are offered several unique advantages in this program: the opportunity to work with professors who have, in addition to their academic degrees, years of practical experience in a wide variety of important international business positions; a sequential two-year format requiring class attendance three hours per evening, two evenings a week over six semesters, and the opportunity to take foundation courses with other graduate students entering Baldwin-Wallace College's MBA programs. The foundation courses make it possible for students with little or no undergraduate business education to participate successfully in the program.

Requirements for Admission

The requirements for admission to the MBA in International Management (IMBA) program include a bachelor's degree in any field from an accredited institution, test scores from the appropriate tests for foreign or US applicants (described below), two letters of recommendation, and a résumé.

Other factors involved in the admission decision include professional attainment and potential growth as well as the cumulative grade point average earned in undergraduate studies.

U.S. Student Application

While applicants need not have majored in business to be admitted to the IMBA program, they must hold a bachelor's degree from an accredited institution. When reviewing an application, many factors are taken into consideration:

- demonstrated professional attainment;
- evidence of personal growth and accomplishment; and
- clear evidence of academic achievement.

The applicant should submit the following items **at least one month prior to the beginning of the semester in which enrollment is planned:**

- a completed application form and a \$15 non-refundable application fee;
- official transcripts from all undergraduate and graduate colleges and universities attended;
- a résumé of career and professional development;
- two letters of recommendation from persons qualified to evaluate the applicant's background and qualification for successful graduate study; and
- results of the Graduate Management Admissions Test (GMAT).

Foreign Student Application

Foreign students must satisfy the requirements for admission and submit a Test of English as a Foreign Language (TOEFL) test score. A Test score of 523 or higher will satisfy the English language proficiency requirement.

Students, who have not taken the TOEFL test or have had insufficient English training to attain the required TOEFL test score of 523, may be eligible for a conditional letter of admission. Special programs offered in cooperation with the American Language Academy (ALA), located on Baldwin-Wallace College's campus, are available for students. These programs are designed to improve language proficiency and TOEFL test results.

Foreign students with a TOEFL score of over 500, but less than 523, are required to enroll in BUS 500L BUSINESS ENGLISH AS A FOREIGN LANGUAGE. BUS 500L is a three semester hour course that meets nine hours per week for 12 weeks, but does not count toward the IMBA degree requirements.

Students completing BUS 500L are expected to be able to:

- write formal academic prose with proper use of structure, vocabulary, conventions, and rhetorical principles of organization even under time pressure;
- accomplish all the steps leading up to, including the final editing of, a term paper assignment meeting IMBA program standards;
- refine the skills necessary for the retention of large blocks of oral material of an

academic or professional nature; and

- develop the communication and presentation skills peculiar to a graduate academic program.

An institutional TOEFL will be administered as part of this course. Course requirements include the achievement of a score of 523 or higher on this test. This course is graded “S” (satisfactory) or “U” (unsatisfactory).

Foreign students with a TOEFL score of 523 or greater have the opportunity to further their writing ability through one-on-one appointments with a Baldwin-Wallace College writing tutor or by enrolling in BUS 500R (see Foundation Course Descriptions).

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-, 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, and only two “Cs” may be counted in the GPA.

An incomplete grade received during a given semester must be completed by the end of the sixth week of the next semester in which the student is enrolled. If no grade is reported by that time, the grade will be recorded as “F”. In unusual circumstances, the instructor may request an extension of the due date subject to approval of the Registrar.

Withdrawal Policy

An IMBA student who withdraws 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 illness, change of employment, or other circumstances beyond the student’s control. Lack of academic progress is not a sufficient reason for an authorized withdrawal after the sixth week. A written petition for authorization to withdraw must be submitted to the Registrar. Withdrawal from a course without approval will result in a grade of “F”.

Degree Requirements

The following requirements must be met for the Master of Business Administration in International Management degree:

- successfully complete the outlined program (40 semester hours). The 36 hours of core courses must be taken in their proper sequence. The four hours of elective seminars may be taken in any sequence;
- include no more than six hours of work graded “C” in the program;
- complete six hours of foreign language in addition to the outlined program of 40 semester hours. 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.
- attain at least a 3.0 grade point average in total work attempted in the IMBA program and a 3.0 grade point average in the 12 core courses of the program. A participant who receives an “F” will be dropped from the program; and
- complete all degree requirements within four calendar years of initial registration.

Transfer Credit

Except for students with an earned MBA, transfer credit is limited to six semester hours.

This transfer credit is awarded when:

- the requested credit is an equivalent graduate level course;
- the course was graded “A” or “B”;
- the course content is compatible with the program at Baldwin-Wallace College; and
- the Registrar and the IMBA program director concur that credit should be granted.

Students with an earned MBA from another institution may transfer up to nine credit hours for credit. Credit will only be granted for courses that duplicate the contents of BUS 610 MANAGERIAL ACCOUNTING AND FINANCE; BUS 612 MICROECONOMICS/INTERNATIONAL TRADE; and BUS 620 MANAGEMENT SCIENCE.

Transfer credit is awarded when:

- the course was credited toward an MBA degree;
- the course was graded “A” or “B”,
- the Registrar and the IMBA program director concur that credit should be granted.

Tuition Payment

The MBA Program is fully approved for veterans’ educational benefits. Payment of tuition and fees must be made prior to the first class of each semester. A delayed tuition payment plan is available for students who are receiving tuition benefits from their employers for which they will be reimbursed at a later date. Past due accounts will be charged a finance charge. Special payment arrangements must be made with the approval of the Bursar. Grades, transcripts and diplomas will not be released to students who have not paid their accounts. The cashier’s office will be open from 6:00 p.m. to 8:00 p.m. the first two nights of each semester. Institutional financial aid is available for the graduate programs in the form of scholarships. Graduate students are eligible for aid through the Federal Family Education Loan program. Information is available in the Financial Aid Office, Bonds Administration Building.

Refund Policy

Students who withdraw from a course will receive a refund of their tuition payment in accordance with the following table:

Time of Withdrawal	Refund
1st Week	90% of full tuition
2nd Week	60% of full tuition
3rd Week	50% of full tuition
4th Week	30% of full tuition

Maximum Course Load

IMBA students may not register for more than nine semester hours in any twelve week term. Full-time students who opt to complete BUS 665, HONORS INTERNSHIP, will require five semesters to complete the program (approximately 21 months).

Curriculum

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 three courses in any semester without the

approval of the director of the IMBA program. Required courses are three credit hours each, and the sequence of presentation is as follows:

Foundation Course Descriptions

The following courses provide a foundation for the IMBA program for individuals with limited business training. The department suggests that students discuss their academic background with the Director of the program 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 IMBA degree requirement.

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 500E ECONOMIC CONCEPTS AND POLICIES

Three credit hours

An introduction to economic principles starting with a survey of price - market structures and income distribution leading to the study of macroeconomic models. The course reviews economic relationships, problems, and institutions in preparation for a systematic study of the organization (the business firm and social enterprise) within its economic environment.

BUS 500M MARKETING AND MANAGEMENT

Three credit hours

This course examines the tasks and styles of managers in both the private and public sectors, with particular application to management of the marketing function. In addition, it focuses on strategic marketing and management issues and their components: product planning, distribution arrangements, pricing, and promotion.

BUS 500Q QUANTITATIVE ANALYSIS

Three credit hours

A course for individuals who have a limited background in computer skills and algebraic techniques. Students are exposed to statistical models and applications for quantitative methods in modern management.

BUS 500R BUSINESS RESEARCH AND WRITING FOR ACADEMIC AND CAREER SUCCESS

Three credit hours

An introduction to current business research sources and techniques, as well as individual and group writing procedures for business or graduate studies in business administration. Emphasis is given to ethical and legal concerns in research and writing.

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

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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. There is no three-week term during the summer.

Core 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 MANAGERIAL FINANCE

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.

BUS 622 INTERNATIONAL MACROECONOMICS

Three credit hours

This course includes the study of national and global business cycles, monetary and fiscal policy, the role of central banks in foreign exchange markets, and the role of international institutions such as the International Monetary Fund. Other subjects covered include national income and employment theory, links between the domestic and international sectors, flexible versus fixed exchange rates, management of exchange rate risk, balance of payment issues, and international monetary systems.

BUS 626 INTERNATIONAL MARKET RESEARCH

Three credit hours

The methods by which primary and secondary data are collected (including the internet) and the different techniques for analyzing such data are presented. Quantitative techniques, including multivariate models, are studied.

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 642 INTERCULTURAL COMMUNICATION*Three credit hours*

This course defines culture and communication, reveals some important relationships between the two, and explores relevant systems of belief, value, and thought that increase analytical and problem-solving skills in international business relationships. Also included are the business etiquette practices that are an outgrowth of the above topics.

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.

BUS 652 STRATEGIC LOGISTICS MANAGEMENT*Three credit hours*

This course is a study of strategic problems including exporting and importing procedures, insurance, documentary credit, statistical quality control, ISO 9000, benchmarking, and international transportation.

**BUS 660 THE POLITICAL AND SOCIAL RESPONSIBILITIES
OF THE 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 661 MANAGING MULTINATIONAL PROJECTS:
A STRATEGIC MANAGEMENT APPROACH***Three credit hours*

This course deals with the principles of project/systems management and the challenge of joint efforts with other nations. Emphasis is on team building, developing an effective organization structure, work planning and scheduling, and cost control within a dynamic multinational environment. Students will investigate the legal, social, economic, political, technological, and cultural implications of global projects. They will also analyze cases, estimate costs of multinational projects, and examine methodologies for multinational project funding.

BUS 665 HONORS INTERNSHIP

Prerequisite: Completion of six or more IMBA courses numbered BUS 610 or above with a grade point average of at least 3.5, preparation of an acceptable

personal résumé, and consent of the Director of the IMBA program. This course may not be repeated.

The intent of the internship is to provide students with meaningful work experience that relates to their career goals. The office of Career Services assists IMBA students in locating acceptable business internships.

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.

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 two-fold purpose, leaves the intervening and holiday weekends unencumbered and solves the problems of executives whose full-time managerial responsibilities include heavy mid-week commitments. The two-day schedule will enhance the opportunities for the sharing of 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 and may be taken during the intervening summer.

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.. - 9:00p.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. 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:

- BUS 701 Organizational Theory & the Systems Approach to Management
- BUS 705 Accountability of Financial Resources

BUS 711 Information Systems: Management, Implementation, and Assimilation

Semester II:

BUS 742 Micro Organizational Behavior
BUS 747 Operations Management
BUS 748 Financial Management

Summer:

Two hours of elective seminars (may also be selected from evening graduate elective seminars).

Semester III:

BUS 760 The Marketing Environment
BUS 765 Macro Organizational Behavior
BUS 771 The Economic System

Semester IV:

BUS 781 Global Strategic Management
BUS 800 Power and Ethics in the Management of Organizations
BUS 870 Policy Formulation and Strategic Management

Eligibility Requirements

The Executive M.B.A. program is designed for mid-career executives. Participants are expected to have ten or more years of work experience and to be in a professional or managerial position. The admission process involves the following considerations:

1. A personal interview with the Director of the program during which past experience and accomplishments and potential for advancement and professional self-improvement are reviewed.
2. An undergraduate bachelor's degree in any field from an accredited institution. Applicants whose undergraduate degree is not in business may be required to take one or more foundation courses in the areas of accounting, quantitative methods, economics, and management/marketing prior to starting the program.
3. Evidence through letters of reference that the applicant is capable of graduate study in business and has the personal commitment and support of his organization necessary for successful completion of the program.
4. Approval of the Admission Committee based on the documentation in support of the above three criteria.

Tuition Payment

The EMBA Program is fully approved for veterans' educational benefits. Payment of tuition and fees must be made prior to the first class of each term. A delayed tuition payment plan is available for students who are receiving tuition benefits from their employers for which they will be reimbursed at a later date. Past due accounts will be charged a finance charge. Special payment arrangements must be made with the approval of the Bursar. Grades, transcripts and diplomas will not be released to students who have not paid their accounts. The cashier's office will be open from 6:00 p.m. to 8:00 p.m. the first two nights of each term. Institutional financial aid is not available for the graduate programs. However,

graduate students are eligible for aid through the Federal Family Education Loan program. Information is available in the Financial Aid Office, Bonds Administration Building.

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-, 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, and only two “Cs” may be counted in the GPA. No audits of courses are permitted.

Withdrawal Policy

An incomplete grade received during a given term must be completed by the end of the sixth week of the next term in which the student is enrolled. If no grade is reported by that time, the grade will be recorded as “F”. In unusual circumstances, the instructor may request an extension of the due date subject to approval of the Registrar.

Refund Policy

Students who withdraw from a course will receive a refund of their tuition payment in accordance with the following table:

Time of Withdrawal	Refund
1st Week	90% of full tuition
2nd Week	60% of full tuition
3rd Week	50% of full tuition
4th Week	30% of full tuition

The Degree

All participants who successfully complete the required studies will be awarded the degree of Master of Business Administration at the annual commencement exercises in May.

Foundation Course Descriptions

The following courses provide a foundation for the EMBA program for individuals with limited business training. The department suggests that students discuss their academic background with the Director of the program 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 EMBA degree requirement.

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 500E ECONOMIC CONCEPTS AND POLICIES

Three credit hours

An introduction to economic principles starting with a survey of price-market structures and income distribution leading to the study of macroeconomic models. The course

reviews economic relationships, problems, and institutions in preparation for a systematic study of the organization (the business firm and social enterprise) within its economic environment.

BUS 500M MARKETING AND MANAGEMENT

Three credit hours

This course examines the tasks and styles of managers in both the private and public sectors, with particular application to management of the marketing function. In addition, it focuses on strategic marketing and management issues and their components: product planning, distribution arrangements, pricing, and promotion.

BUS 500Q QUANTITATIVE ANALYSIS

Three credit hours

A course for individuals who have a limited background in computer skills and statistical techniques. Students are exposed to statistical models and applications for quantitative methods in modern management.

BUS 500R BUSINESS RESEARCH AND WRITING FOR ACADEMIC AND CAREER SUCCESS

Three credit hours

An introduction to current business research sources and techniques, as well as individual and group writing procedures for business or graduate studies in business administration. Emphasis is given to ethical and legal concerns in research and writing.

Core Course Descriptions

BUS 701 ORGANIZATIONAL THEORY & THE SYSTEMS APPROACH TO MANAGEMENT

Three credit hours

This course introduces executives to the systems approach to management. It is an overview of the theories of general systems, systems-thinking, and the systems approach to management. Executives apply the systems approach to building systems models of the organizations represented in the class. These models provide an understanding of the interdependencies in a variety of complex organizations and help managers learn to make more effective decisions for their organizations.

BUS 705 ACCOUNTABILITY OF FINANCIAL RESOURCES

Three credit hours

This course emphasizes the use of the accounting system to provide decision-making information to the manager. Cost accounting data are applied to management models of the firm, especially those models dealing with alternative choice situations, such as pricing, factor and product combinations, and capital budgets. Financial principles and analyses are coupled with accounting data for specialized types of business situations requiring executive decisions. Case problems provide the basis for intensive study of the subject area.

BUS 711 INFORMATION SYSTEMS: MANAGEMENT, IMPLEMENTATION AND ASSIMILATION

Three credit hours

An overview of contemporary information systems technology and management: computers, telecommunications, and Internet commerce. A principal goal includes understanding relevant issues of information services within the organization/firm, as

well as within the industry. Focus is on the tension and tradeoffs of operational activities (implementation) and strategic vision (assimilation). The course is organized around a management audit of information services activities which includes an assessment of how and why organizations are organized, managed, and controlled relative to information generation and processing. Topics include information technology and competition; electronic commerce (Internet developments); information technology operations and management processes; technology partnerships, portfolios, and resources; transnational issues; and technology culture and learning factors.

BUS 742 MICRO-ORGANIZATIONAL BEHAVIOR

Three credit hours

This micro-perspective on organizational behavior deals with the individual and small groups. Executives develop a basic conceptual understanding of the causes of behavior (theories of motivation, learning, perception, communication, personality, and decision-making) and develop tools with which to change behavior. Research findings, supporting the hypotheses and relationships among personal and environmental causes and behavioral outcomes, are integral to the course. This course has a strong experiential base and a heavy emphasis on process.

BUS 747 OPERATIONS MANAGEMENT

Three credit hours

This course develops a systems approach to the analysis of senior managerial operating problems. Computer, quantitative, and behavioral models are used to formulate operating decisions consistent with an organization's competitive strategy.

BUS 748 FINANCIAL MANAGEMENT

Three credit hours

Analysis of financial information is central to financial control, forecasting, and decision making. It also is central to the evaluation of customers, competitors, or merger candidates. This course gives executives insight into financial statement analysis, cash flow projections, capital budget evaluation, working capital management, and the primary methods of financing the corporation. Various measures of risk and methods of assessing the risk-return trade-off are also presented.

BUS 760 THE MARKETING ENVIRONMENT

Three credit hours

An organization must deal with strategic and tactical issues on a domestic and global basis if it is to maintain an effective marketing organization. The course places special emphasis on the determination of longer term marketing strategy, the building of shorter term tactics, and the significance marketing has in the strategic direction of the firm. Emphasis is given to the examination of competitive operations and practical marketing problems confronting executives.

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 employee behavior as well as with overall design of the organization, efficiency, and adaptation to the environment. The macro-route to organizational change includes design of individual roles and organizational structures,

relationships among roles, control systems, and information technology. A field activity in organizational development 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 at present 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 STRATEGIC MANAGEMENT

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

The course introduces power and ethics concepts (The Prince Model, the Ethical Response Model) as "systems-thinking" ways of winning desired cooperation from associates, customers, suppliers, public policy makers, or others. The course stresses the use of contemporary case analysis as well as readings and creativity, "win-win" ways to nurture the health of both organizations and society.

BUS 870 - POLICY FORMULATION AND STRATEGIC MANAGEMENT

Three credit hours

This course represents the culmination of the executive's two-year program. Concepts, principles, and new ways of thinking are integrated into this capstone course. The executive takes the role of senior management, learning how to develop a strategic intent for the organization, as well as the policies and competitive strategies necessary to make the intent a reality. In the process, the executive learns how to formulate decisions based on the analysis and diagnosis of competitive and market conditions and the organization's capabilities and limitations. The concepts and tools of strategic analysis, planning, and implementation are applied through case studies and consultation with actual organizations.

ELECTIVE REQUIREMENTS

The Program requires a total of two semester hours of topical seminar electives. These electives may be selected from any of the electives scheduled during week nights (and primarily designed for MBA and IMBA students) or from weekend courses.

There will be summer elective seminars in Project Management that will be scheduled on weekends. The evening courses will be held during the three week periods preceding the regular semester-length courses in the MBA and IMBA Programs.

MASTER OF BUSINESS ADMINISTRATION IN HEALTH CARE EXECUTIVE MANAGEMENT

Baldwin-Wallace College's Health Care Executive MBA (HCEMBA) 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. This program is presented jointly by the Division of Business Administration and the Northeastern Ohio Universities College of Medicine (NEOUCOM) at Baldwin-Wallace.

HCEMBA 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 executives 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 (25-30 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. Courses are staffed by Baldwin-Wallace or Northeast Ohio Universities College of Medicine faculty.

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 EMBA 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 in medical management commence in the spring semester. The program is designed to be completed in two years from the commencement of the core courses.

The sequence in which the courses are scheduled is:

Semester I:

- BUS 500A Financial Accounting
- BUS 500E Economic Concepts and Policies
- BUS 500M Marketing and Management
- BUS 500Q Quantitative Analysis

Semester II:

- BUS 701 Organizational Theory & the Systems Approach to Management
- BUS 705 Accountability of Financial Resources
- BUS 711 Information Systems: Management, Implementation, and Assimilation
- BUS 755 Medical Management I

Semester III:

- BUS 742 Micro Organizational Behavior
- BUS 747 Operations Management
- BUS 748 Financial Management
- BUS 755 Medical Management I

Semester IV:

- BUS 760 The Marketing Environment
- BUS 765 Macro Organizational Behavior
- BUS 771 The Economic System
- BUS 755 Medical Management II

Semester V:

- BUS 781 Global Strategic Management
- BUS 800 Power and Ethics in the Management of Organizations
- BUS 870 Policy Formulation and Strategic Management
- BUS 755 Medical Management II

Eligibility Requirements

The HCEMBA program is designed for mid-career health care executives or for medical professionals expecting to make a transition to senior management positions. Participants are expected to have significant work experience in a professional or managerial position. The admission process involves the following considerations:

1. A personal interview with the director of the program during which past experience and accomplishments and potential for advancement and professional self-improvement are reviewed.

2. A professional degree in any field from an accredited institution. Applicants whose undergraduate degree is not in business may be required to take one or more foundation courses in the areas of accounting, quantitative methods, economics, and management/marketing prior to starting the program.
3. Evidence through letters of reference that the applicant is capable of graduate study in business, and has the personal commitment and support of his organization necessary for successful completion of the program.
4. Approval of the Admission Committee based on the documentation in support of the above three criteria.

Tuition Payment

The HCEMBA Program is fully approved for veterans' educational benefits. Payment of tuition and fees must be made prior to the first class of each term. A delayed tuition payment plan is available for students who are receiving tuition benefits from their employers for which they will be reimbursed at a later date. Past due accounts will be charged a finance charge. Special payment arrangements must be made with the approval of the Bursar. Grades, transcripts and diplomas will not be released to students who have not paid their accounts. The cashier's office will be open from 6:00 p.m. to 8:00 p.m. the first two nights of each term. Institutional financial aid is not available for the graduate programs. However, graduate students are eligible for aid through the Federal Family Education Loan program. Information is available in the Financial Aid Office, Bonds Administration Building.

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-, 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, and only two "Cs" may be counted in the GPA. No audits of courses are permitted.

An incomplete grade received during a given term must be completed by the end of the fourth week of the next term in which the student is enrolled. If no grade is reported by that time, the grade will be recorded as "F". In unusual circumstances, the instructor may request an extension of the due date subject to approval of the Registrar.

Refund Policy

Students who withdraw from a course will receive a refund of their tuition payment in accordance with the following table:

Time of Withdrawal	Refund
1st Week	90% of full tuition
2nd Week	60% of full tuition
3rd Week	50% of full tuition
4th Week	30% of full tuition

The Degree

All participants who successfully complete the required studies will be awarded the degree of Master of Business Administration at the annual commencement exercises in May.

Foundation 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 500E ECONOMIC CONCEPTS AND POLICIES

Three credit hours

An introduction to economic principles starting with a survey of price - market structures and income distribution leading to the study of macroeconomic models. The course reviews economic relationships, problems, and institutions in preparation for a systematic study of the organization (the business firm and social enterprise) within its economic environment.

BUS 500M MARKETING AND MANAGEMENT

Three credit hours

This course examines the tasks and styles of managers in both the private and public sectors, with particular application to management of the marketing function. In addition, it focuses on strategic marketing and management issues and their components-- product planning, distribution arrangements, pricing, and promotion.

BUS 500Q QUANTITATIVE ANALYSIS

Three credit hours

A course for individuals who have a limited background in computer skills and statistical techniques. Students are exposed to statistical models and applications for quantitative methods in modern management.

Core Course Descriptions

BUS 701 ORGANIZATIONAL THEORY & THE SYSTEMS APPROACH TO MANAGEMENT

Three credit hours

This course introduces health care executives to the systems approach to management. It is an overview of the theories of general systems, systems-thinking, and the systems approach. Executives apply the systems approach to building systems models of the organizations represented in the class. These models provide an understanding of the interdependencies in health care systems along the entire continuum of care in a variety of health care organizations. Executives will learn to make more effective decisions across formally and informally structured delivery systems as well as the various structures in which health care is delivered on an integrated basis.

BUS 705 ACCOUNTABILITY OF FINANCIAL RESOURCES *Three credit hours*

This course emphasizes the use of the accounting system to provide decision-making information to the manager. Accounting data are applied to health care models, especially those dealing with alternative choice situations such as single pricing, managed care, and other insurance product combinations, or capital budgets. Financial principles and analyses are coupled with accounting data for health care situations requiring executive decisions. Case problems provide intensive study of the subject area.

BUS 711 INFORMATION SYSTEMS: MANAGEMENT, IMPLEMENTATION AND ASSIMILATION *Three credit hours*

An overview of contemporary medical information systems technology and management of computers, telecommunications, and organizational systems. Goals include understanding issues relevant to effective management of information services with emphasis on areas of greatest potential technological application. Focus is on the tension and tradeoffs of operational activities (implementation) and strategic vision (assimilation). The course is organized around a management audit of the information services activities which includes an assessment of how and why organizations are organized, managed and controlled relative to information generation and processing. Topics include medical systems, telemedicine, the Internet, and electronic commerce. Student access to on-line systems is expected.

BUS 742 MICRO-ORGANIZATIONAL BEHAVIOR *Three credit hours*

This micro-perspective on organizational behavior focuses on the interpersonal, the intrapersonal, small work groups, and team building. Executives develop a basic conceptual understanding of the causes of behavior at work (theories of motivation, learning, perception, communication, personality, and decision-making) and develop tools related to behavioral change. Research findings, supporting the hypotheses and relationships among personal and environmental causes and behavioral outcomes, are integral to the course. This course has a strong experiential base with a heavy emphasis on process and the special challenges inherent within the current health care environment.

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 organization's competitive strategy.

BUS 748 FINANCIAL MANAGEMENT *Three credit hours*

Analysis of financial information is central to financial control, forecasting, and decision making. It is also central to the evaluation of managed care operations, competitors, or merger candidates. This course gives executives insight into financial statement analysis, cash flow projections, capital budget evaluation, working capital management, and the primary methods of financing the corporation (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 755 MEDICAL MANAGEMENT I*Three credit hours*

This course introduces health care executives to the basic tools and skills that are required to manage defined populations of patients in the evolving health care environment. The course provides a foundation in managed care, integrated delivery systems, and health care organizations along with biostatistics, population-based epidemiology, and public health models of health and disease management that will prepare the health care executive to develop and lead managed care and integrated delivery systems.

BUS 755 MEDICAL MANAGEMENT II*Three credit hours*

This course includes additional tools and skills required to manage defined populations in the evolving health care environment. The course builds upon the principles introduced in *Medical Management I* that are critical to the demonstration of account ability plus the management and delivery of individual and population-based care. It provides specific knowledge, skills, and tools of medical decision-making, resource management, quality management and improvement, clinical pathways, practice parameters, and outcomes assessment.

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 (departments, organizations, and integrated delivery networks) rather than individuals and small groups. This perspective deals with employee behavior as well as with overall design of the organization, efficiency, and adaptation to the turbulent health care environment. The macro-route to organizational change includes design of individual roles and organizational structures, relationships among roles, control systems, and information technology. A field activity in organizational development is a major focus of the course along with an examination of current trends and experiments in organizational structure in the health care field.

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 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 781 GLOBAL STRATEGIC MANAGEMENT

Three credit hours

Globalization of US business is proceeding at an accelerating pace. Executives are introduced to techniques to manage this economic transformation, both at home and abroad, through a systematic presentation of the major elements. The course reviews the development and current role of the multinational enterprise and introduces the concept of “born-global” start-up companies. Concepts of international trade and the challenge of managing industrial, health care, and organizational relations across national borders are covered, and the participant is challenged to develop a degree of global sophistication. Executives have the opportunity to develop or critique the international strategy and operations of a regional company and learn proactive responses to international challenges.

**BUS 800 POWER AND ETHICS IN THE MANAGEMENT
OF ORGANIZATIONS**

Three credit hours

This course puts students in the role of managers in health care organizations confronting challenges requiring the exercise of power inside and outside the organization and facing ethical dilemmas caused by the explosion of technology, increased competition, and the demands of government, employers, and the public. It provides a framework to help health care managers consider issues of power, ethics, and public policy.

**BUS 870 POLICY FORMULATION AND
STRATEGIC MANAGEMENT**

Three credit hours

The volatile restructuring taking place in the health care industry, coupled with a dichotomous relationship between providers and administrators, necessitates fundamental change in strategic thinking and management among the managers and practitioners in tomorrow’s health care organizations. This course is designed to facilitate that end by bringing together systems management from the first course in this program and linking it with other courses such as marketing and finance. The outcomes of this course include mastery of applied strategic and systems thinking for the health care professional through study of environmental and organizational resources to determine optimal courses of present and future action.

Section XI

FACULTY, ADMINISTRATION & TRUSTEES

Active Faculty

DIVISION OF BUSINESS ADMINISTRATION

PETER REA, *Chair, Division of Business Administration, Associate Professor of Business Administration*

B.S., Ohio University; M.A., Bowling Green State University; Ph.D., University of Akron

THOMAS A. RIEMENSCHNEIDER, *Director of Graduate Business Programs, Professor of Business Administration*

B.S. E.M.B.A., Baldwin-Wallace College; M.S., UCLA; M.D., SUNY, Syracuse

RONALD L. EHRESMAN, *Director, Undergraduate Business Studies, Professor of Business Administration*

B.S., Defiance College; M.B.A., Kent State University; M.S., Case Western Reserve University

THOMAS W. DONAHUE, *Boynton D. Murch Chair in Finance, Professor of Business Administration, Director of Executive Master in Business Administration*

B.S., University of California at Los Angeles; M.B.A., University of Denver; D.B.A., University of Southern California

ROGER A. GRUGLE, *L.A. Beeghly Chair in Business Administration, Associate Professor of Business Administration*

B.S., United States Military Academy; M.S., University of Colorado; M.B.A., M.S., Long Island University (C.W. Post); CPA, Ohio

DAVID A. KRUEGER, *Charles E. Spahr Chair in Managerial and Corporate Ethics, Professor of Business Administration*

B.A., Carthage College; M.A., Ph.D., University of Chicago

IVAN WINFIELD, *Executive-in-Residence, Associate Professor of Business Administration*

B.B.A., University of Pittsburgh; CPA

HARRY J. BURY, *Professor of Business Administration*

B.A., St. Paul Seminary; Ph.D., Case Western Reserve University

JOSEPH D. KADERABEK, *Professor of Business Administration*

B.B.A., Cleveland State University; M.B.A., Case Western Reserve University; CPA, Ohio

HAROLD KERZNER, *Professor of Business Administration*

A.B., Northeastern University; M.S., University of Illinois; M.B.A., Utah State University; Ph.D., University of Illinois

WILLIARD B. LUTZ, *Professor of Business Administration*

B.A., Baldwin-Wallace College; M.B.A., Western Reserve University; Ed.D., Nova University

BONITA H. MELCHER, *Professor of Business Administration*

B.S., B.A., University of Akron; M.B.A., D.B.A., Kent State University

EARL M. PECK, *Professor of Business Administration*

B.S., M.A., Ph.D., University of Colorado

GEORGE LEE PICKLER, *Professor of Business Administration*

B.B.A., Cleveland State University; M.H.A., M.P.M., Indiana Northern University; D.B.A., Nova University

GLENN M. BLAIR, *Associate Professor of Business Administration*

B.S., J.D., University of Illinois

PIERRE A. DAVID, *Associate Professor of Business Administration*

B.S., Edhec University; M.B.A., University of Pittsburgh; Ph.D., Kent State University

SUE C. DEVILLE, *Associate Professor of Business Administration*

B.A., Baldwin-Wallace College; Ph.D., Case Western Reserve University

ROBERT DUCHARME, *Associate Professor of Business Administration*

B.S., University of Massachusetts; M.S., University of Massachusetts at Lowell; Ph.D., Florida State University

MICHAEL FELBER, *Associate Professor of Business Administration*

B.S., M.S., University of Akron; CPA, Ohio

DAVID D. YU, *Associate Professor of Business Administration*
 B.A., Central University of Beijing; M.B.A., Graduate School of People's Bank; M.A., Ph.D., University of Connecticut

ROGER B. LULL, *Assistant Professor of Business Administration*
 B.S., Pennsylvania State University; M.B.A., Baldwin-Wallace College; CPA, Ohio

MARY PISNAR, *Assistant Professor of Business Administration*
 B.A., Ursuline College; M.B.A., D.B.A., Cleveland State University

GERALD H. ANDERSON, *Lecturer of Business Administration*
 B.S.E.E., Bucknell University; M.B.A., M.A., Ph.D., Indiana University

JOYCE A. BANJAC, *Lecturer of Business Administration*
 B.A., M.B.A., Baldwin-Wallace College

EUGENE R. BEEM, *Lecturer of Business Administration*
 B.A., College of Wooster; Ph.D., University of Pennsylvania

WILLIAM J. BRAUN, *Lecturer of Business Administration*
 B.F.A., Instituto Allende; M.B.A., Baldwin-Wallace College

DIANE M. BOND, *Lecturer of Business Administration*
 B.A., Baldwin-Wallace College; M.Acc., Case Western Reserve University; CPA, Ohio

NICHOLAS A. GENCO, *Lecturer of Business Administration*
 B.S., M.B.A., Bowling Green State University; CPA, Ohio

RUSSELL R. GIFFORD, *Lecturer of Business Administration*
 B.S. Heidelberg College; B.S.C.E., Illinois Institute of Technology

A. JACK JANOSIK, *Lecturer of Business Administration*
 B.A., Kent State University; M.S., University of Georgia; M.I.M., American Graduate School of International Management

STEVEN C. KABER, *Lecturer of Business Administration*
 B.A., M.B.A., Baldwin-Wallace College; J.D., Cleveland-Marshall College of Law

CAROLYN C. KAUFMAN, *Lecturer of Business Administration*
 B.S./B.A., Myers College; M.B.A., Cleveland State University; CPA, Ohio

ANTHONY JOHN KHURI, *Lecturer of Business Administration*
 B.S., M.A., American University of Beirut; Ph.D., Case Western Reserve University

KENNETH E. KLEPPEL, *Lecturer of Business Administration*
 B.B.A., M.B.A., Cleveland State University; CPA, Ohio

MICHAEL C. KOPKAS, *Lecturer of Business Administration*
 B.S., M.S., John Carroll University

SUSAN KUZNIK, *Lecturer of Business Administration*
 B.S., Cleveland State University; M.S., Case Western Reserve University

KENNETH J. LAINO, *Lecturer of Business Administration*
 A.B., John Carroll University; J.D., University of Michigan

HENRY LEWANDOWSKI, *Lecturer of Business Administration*
 B.S., Rose-Hulman Institute of Technology; M.S., Dr.E., Cleveland State University

ROBERT H. LOEFFLER, *Lecturer of Business Administration*
 A.A. Prince George's Community College; B.A. The William Paterson University of New Jersey; M. Hum., University of Richmond; J.D., Cleveland State University

NICHOLAS A. MOLLEY, *Lecturer of Business Administration*
 B.A., M.B.A., Baldwin-Wallace College; M.I.D.S., Case Western Reserve University

L. GEORGE NEMETHY, *Lecturer of Business Administration*
 M.A., M.B.A., Case Western Reserve University

GREGORY R. POORE, *Lecturer of Business Administration*
 B.A., Denison University; M.B.A., Baldwin-Wallace College; J.D., Ohio State University

KARLA POTETZ, *Lecturer of Business Administration*
 B.A., M.B.A., Baldwin-Wallace College; Ph.D., Century University (New Mexico)

LORI A. RADULOVICH, *Lecturer of Business Administration*
 B.A., University of Pittsburgh; M.B.A., Case Western Reserve University

NORMA J. SELDERS, *Lecturer of Business Administration*
 B.S.N., Ohio University; M.S., Wright State University

DENNIS SHARDELL, *Lecturer of Business Administration*
 B.B.A., Cleveland State University; M.T., University of Akron; CPA, Ohio

DEBORA M. SHEAFFER, *Lecturer of Business Administration*
 B.A., M.B.A., Baldwin-Wallace College

R. JANNEY SMITH, *Lecturer of Business Administration*
 A.B., Miami University; M.Ed., Kent State University

- ROBERT E. WARD, *Lecturer of Business Administration*
B.A., Baldwin-Wallace College; M.A., Indiana University; Ph.D., Vanderbilt University; J.D., University of Akron
- KENNETH J. WHELAN, *Lecturer of Business Administration*
B.S., Cleveland College; M.S., Ph.D., Case Western Reserve University

DIVISION OF EDUCATION

- PATRICK F. COSIANO, *Chair, Division of Education; Director of Master of Arts in Education, Professor of Education*
B.S.C., M.Ed., Ohio University; Ed.D., Case Western Reserve University
- CHERYL DIDHAM, *Assistant Chair, Division of Education, Coordinator of Field Experiences in Teacher Education, Associate Professor of Education*
B.S., Baldwin-Wallace College; M.Ed., Kent State University; Ph.D., Bowling Green University
- SHARON L. CERAMI, *Professor of Education*
B.S., Villa Maria College; M.Ed., Edinboro State University; D.Ed., The Pennsylvania State University
- JAMES W. CURRENS, *Professor of Education*
B.A., Baldwin-Wallace College; M.Ed., Kent State University; Ph.D., The Ohio State University
- CLAYTON DUSEK, *Associate Professor of Education*
B.S., The Ohio State University; M.Ed., Wright State University; Ph.D., The Ohio State University
- NAOMI FELDMAN, *Professor of Education*
B.A., B.S., University of Texas at Austin; M.A., University of Texas at San Antonio;
D.Ed., Peabody College of Vanderbilt University
- CLELLA FOUTS, *Assistant Professor of Education*
B.S., Bradley University; M.Ed., Ph.D., Kent State University
- ALDENA FRANCISCO, *Assistant Professor of Education*
B.S., Towson State University; M.Ed., Ph.D., Kent State University
- LISA HENDERSON, *Associate Professor of Education*
B.S., University of Montevallo; M.Ed., University of Montevallo; Ph.D., University of Alabama at Birmingham
- LYLE C. JENSEN, *Associate Professor of Education*
B.A., McKendree College; M.A., Eastern Illinois University; Ed.D., State University of New York at Buffalo
- NANCY L. PELTOLA, *Associate Professor of Education*
B.S.Ed., Bowling Green State University; M.Ed., Kent State University; Ph.D., Kent State University
- RONALD C. WISE, *Professor of Education*
B.S., Clarion State University; M.Ed., D.Ed., The Pennsylvania State University
- THOMAS ALLISON, *Lecturer in Education*
B.S., Mount Union College; M.Ed., Kent State University; Ph.D., Syracuse University
- KATHLEEN ARTHUR, *Lecturer in Education*
B.S., M.Ed., Kent State University
- LINDA C. CONRAD, *Lecturer in Education*
B.A., M.Ed., Notre Dame College of Ohio
- PAUL DISANTIS, *Lecturer in Education*
B.S., Ohio State University; M.Ed., Kent State University
- CORINNE DUNN, *Lecturer in Education*
B.A., College of Wooster; M.Ed., Cleveland State University
- HARRY E. EASTRIDGE, *Lecturer in Education*
B.S., Defiance College; M.Ed., Wright State University; Ph.D., University of Cincinnati
- DIANE A. FERRI, *Lecturer in Education*
B.S., Kent State University; M.Ed., Cleveland State University
- JOHN E. GRIMM, *Lecturer in Education*
B.S. in Ed., M.Ed., Ohio University; Ph.D., University of Akron
- WILLIAM GUNTER, *Lecturer in Education*
B.S. in Ed., Ohio University; M.A., Ph.D., Kent State University

RUTH HAGEN, *Lecturer in Education*

B.S. in Ed., M.A. in Ed., Baldwin-Wallace College

RONALD HANDY, *Lecturer in Education*

B.A., Baldwin-Wallace College; M.A., Case Western Reserve University

RUTHANN HEINTSCHEL, *Lecturer in Education*

B.A., Mary Manse College; M.Ed., Ph.D., The University of Toledo

DONNA L. LYNCH, *Lecturer in Education*

B.S., Kent State University; M.Ed., University of LaVerne

ROBERT J. McMAHON, *Lecturer in Education*

B.A., Fenn College/Cleveland State University; M.A., Ph.D., Cleveland State University;

PHILLIP MENGERT, *Lecturer in Education*

B.S.Ed., The Ohio State University; M.A.Ed., Kent State University

JAMES E. POWELL, *Lecturer in Education*

B.S.Ed., M.Ed., Miami University; Ed.D., University of Cincinnati

ROBERT A. RAMI, *Lecturer in Education*

B.S., Slippery Rocky State University; M.Ed., Kent State University

JOHN R. RAMICONE, *Lecturer in Education*

B.S.Ed., M.Ed., Kent State University

TWYLA H. SALES, *Lecturer in Education*

B.S., M.A.Ed., Allegheny College

JEROME SCHACHT, *Lecturer in Education*

B.A., Baldwin-Wallace College; M.Ed., University of Toledo

ELAINE SCHEIMAN, *Lecturer in Education*

B.S.Ed., Ohio University; M.Ed., Kent State University

VICTOR J. SMOLE, *Lecturer in Education*

B.A., John Carroll University; M.A.Ed., University of Akron; Ph.D., Kent State University

REBECCA THOMAS, *Lecturer in Education*

B.A., B.S., M.L.S., Kent State University; Ph.D., Ohio State University

GEORGE VIEBRANZ, *Lecturer in Education*

B.S. in Ed., M.Ed., Kent State University

W. JAMES WATSON, *Lecturer in Education*

B.S., Kent State University; M.S., Indiana University; Ed.D., University of Akron

JANIS WEHN, *Lecturer in Education*

B.S.Ed., M.A.Ed., Baldwin-Wallace

JOHN YOEEL, *Lecturer in Education*

B.A., Huron College; M.A., Case Western Reserve University

DIVISION OF HEALTH AND PHYSICAL EDUCATION

LARRY K. VAN DUSEN, *Chair, Professor of Health and Physical Education*

B.S., Northwestern University; M.A., Kent State University

Men's Department of Health and Physical Education

ROBERT I. FISHER, *Head, Professor of Health and Physical Education*

B.A., Baldwin-Wallace College; M.A.; Kent State University; Ph.D. The Ohio State University

STEPHEN R. BANKSON, *Director of Men's Athletics, Associate Professor of Health and Physical Education*

B.A., Graceland College; M.S., Indiana University

ROBERT PACKARD, *Professor of Health and Physical Education*

B.A., Baldwin-Wallace College, M.A. University of Colorado

LARRY K. VAN DUSEN, *Professor of Health and Physical Education*

B.S., Northwestern University; M.A., Kent State University

WILLIAM L. TARASCHKE, *Associate Professor of Health and Physical Education*

B.S., Ohio University; M.S., Southern Illinois University; Ph.D., University of Toledo

KRIS ARTHUR DIAZ, *Assistant Professor of Health and Physical Education*

B.A., Baldwin-Wallace College, M.A., University of Akron; Ed.S., Moorhead State University

GARRY MILLER, *Assistant Professor of Health and Physical Education*
B.S., Bowling Green State University; M.A., Central Michigan University
JAMES TIMMER, *Assistant Professor of Health and Physical Education*
B.A., Calvin College; M.S., Ph.D., University of New Mexico

Women's Department of Health, Physical Education and Dance

JUNE K. BAUGHMAN, *Head, Professor of Health and Physical Education*
B.A., Ohio Wesleyan University; M.A., The Ohio State University
SUZANNE C. STREW, *Professor of Health and Physical Education*
B.S., Bowling Green State University; M.Ed., Kent State University
CAROL A. THOMPSON, *Professor of Health and Physical Education*
B.S., B.A., Otterbein College; M.S., University of Illinois; Ph.D., The Ohio State University
CHERI HARRER, *Assistant Professor in Health and Physical Education*
B.A., The University of Findlay; M.Ed., Bowling Green State University
JANIECE KELLEY KITELEY, *Assistant Professor of Health and Physical Education*
B.A., Miami University
JOAN M. SCHOLL, *Assistant Professor of Health and Physical Education*
B.S., Bowling Green State University; M.A.Ed., Baldwin-Wallace College
AMY JO SUTTERLUETY, *Assistant Professor of Health and Physical Education*
B.S., Kent State University; M.S., University of Akron; Ph.D., The Ohio State University
VICKI BRAULT, *Lecturer in Health and Physical Education*
B.S., Western Michigan University; M.Ed., Azusa Pacific University;
WILLIAM GEIGER, *Lecturer in Health and Physical Education*
B.A., Ohio Wesleyan University; M.A., University of Maryland; Ph.D., University of Toledo
TIMOTHY GLEASON, *Lecturer in Health and Physical Education*
B.S., St. Thomas University; M.Ed., Cleveland State University
BEBE KATZ, *Lecturer in Health and Physical Education*
B.A., University of Pittsburgh, M.Ed., Cleveland State University
BERNADETTE MEHMED, *Lecturer in Health and Physical Education*
B.S., Pennsylvania State University
CHRISTINE LUSKIN, *Lecturer in Health and Physical Education*
B.A., Baldwin-Wallace College
CAROLYN MORTON, *Lecturer in Health and Physical Education*
A.B., M.A.T., Miami University; Ph.D., University of Akron
WILLIAM NICHOLS, *Lecturer in Health and Physical Education*
B.A., Baldwin-Wallace College; M.A., Kent State University
JOHN NORRIS, *Lecturer in Health and Physical Education*
MARC OZANICH, *Lecturer in Health and Physical Education*
B.A., University of California, Santa Barbara; M.A., University of California, Los Angeles
RICHARD ROBINSON, *Lecturer in Health and Physical Education*
B.A., Baldwin-Wallace College; M.A., Kent State University
ROBERT SCHOLL, *Lecturer in Health and Physical Education*
B.A., Cleveland State University; M.A., Case Western Reserve University
JANUS SMALL, *Lecturer in Health and Physical Education (Arts Management)*
B.F.A., Cleveland Institute of Art; M.A., University of Cincinnati
THOMAS SPENCER, *Lecturer in Health and Physical Education*
B.S., Bowling Green State University
GAY WHELDON, *Lecturer in Health and Physical Education*
B.S., Ashland College; M.Ed., Kent State University
CARL ZOSCAK, *Lecturer in Health and Physical Education*
B.A., Wittenberg University; M.S., Cleveland State University

DIVISION OF HUMANITIES

EDGAR B. MOORE, *Chair, Professor of History*

B.A., Wesleyan University; B.D., S.T.M., Drew University; Ph.D., St. Andrews University

Department of Art

PAUL JACKLITCH, *Head, Associate Professor of Art*

B.A., Cleveland State University; M.F.A., Rhode Island School of Design

HAROLD D. COLE, *Neal Malicky Chair in the Humanities, Professor of Art History*

B.A., M.A., University of Tulsa; M.A., Ph.D., The Ohio State University

DAVID E. WILLIAMSON, *Professor of Art*

B.F.A., Northern Illinois University; M.F.A., Virginia Commonwealth University

AMY SWARTELE, *Assistant Professor of Art*

B.A. Wesleyan University; M.F.A., State University of New York at Buffalo

MARC VINCENT, *Assistant Professor of Art History*

B.A., Haverford College; M.A., Institute of Fine Arts--New York University; Ph.D., University of Pennsylvania

MARK COLE, *Lecturer of Art*

B.S., John Carroll University; M.A., Case Western Reserve University

JAMES K. MATEER, *Lecturer of Art*

B.S., M.A., Case Western Reserve University

Department of English Language and Literature

THEODORE HARAKAS, *Head, Professor of English and Co-Director, Seminar in Europe*

A.B., M.A., University of Pittsburgh; Ph.D., Michigan State University

DANIEL F. KIRK, *Professor of English*

B.A., M.A., Western Reserve University; Ph.D., University of Florida

SUSAN OLDRIEVE, *Professor of English*

A.B., Princeton University; M.A., Ph.D., University of Virginia

MICHAEL DOLZANI, *Associate Professor of English*

B.A., Baldwin-Wallace College; M.A., Ph.D., University of Toronto

CATHERINE R. LEWIS, *Associate Professor of English*

A.B., Centre College; M.A., University of Rochester; Ph.D., University of Florida

TERRY J. MARTIN, *Associate Professor of English*

B.A., M.A., Ph.D., State University of New York at Buffalo

NANCY R. WURZEL, *Associate Professor of English*

B.A., M.S., University of Pennsylvania; Ph.D., University of South Carolina

ANNA M. COLE, *Writing Specialist*

B.A., University of Tulsa; M.A., Case Western Reserve University

CAROL F. HESKETT, *Writing Specialist*

A.B., Muskingum College; M.A., University of Akron

JANET C. JOSEPH, *Writing Specialist*

B.S., Cleveland State University; M.A., Case Western Reserve University

L. HARVEY KASSEBAUM, *Lecturer in English*

B.A., Beloit College; M.A., Kent State University; Ph.D., Indiana University of Pennsylvania

CATHERINE L. KISSLING, *Lecturer in English*

B.A., Ashland College

KAREN KOTRBA, *Lecturer in English*

B.S., Kent State University; M.A., Cleveland State University

SHARON KUBASAK, *Lecturer in English*

B.A., Oberlin College; M.F.A., University of California at Irvine; Ph.D., Case Western Reserve University

NANCY McARTHUR, *Lecturer in English*

B.A., Baldwin-Wallace College

MARGARET STINER, *Lecturer in English*

B.A., College of the Holy Cross; M.A.T., Brown University

GARY V. STOLCALS, *Lecturer in English*

B.A., Baldwin-Wallace College; M.A., Case Western Reserve University

Department of Foreign Languages and Literatures

STEPHEN J. HOLLENDER, *Head, Associate Professor of German*

B.A., Western Illinois University; M.A., University of Iowa; Ph.D. University of Iowa

GUY IMHOFF, *Assistant Professor of French*

B.A., Brigham Young University; M.A., Purdue; Ph.D. University of Kansas

MARÍA MARÍN, *Assistant Professor of Spanish*

B.A., University of Puerto Rico, Rio Piedras; M.A., Brown University; Ph.D., Brown University

CHRISTINA A. BISESI, *Lecturer in Spanish*

B.A., Ohio Dominican College; MA. John Carroll University

ELISA CAMBRIA, *Lecturer in Spanish*

B.A., M.A., Hunter College; Ph.D., The City University of New York

MARK W. HIMMELEIN, *Lecturer in German*

B.A., Baldwin-Wallace College; M.A., University of Pittsburgh; Ph.D., University of Akron

LOUISE W. KIEFER, *Lecturer in German*

A.B., Baldwin-Wallace College; M.A., Middlebury College

TOTY MARTIN, *Lecturer in Spanish*

B.A., State University of New York; M.A., Pennsylvania State University

ANN R. RODRIGUEZ, *Lecturer in Spanish*

B.A., M.A., University of Iowa

MARIE-CLAUDE THOMAS, *Lecturer in French*

B.A., École des Lettres, Beirut; M.A., Université de Paris II, Assas, Sorbonne; Ph.D., Université de Paris I, Panthéon, Sorbonne

Department of History

LOUIS A. BARONE, *Head, Professor of History*

B.S., M.S., State University of New York at Potsdam; Ph.D., State University of New York at Buffalo

NORMAN J. CLARY, *Professor of History*

B.A., M.A., Ph.D., The Ohio State University

EDGAR B. MOORE, *Professor of History*

B.A., Wesleyan University; B.D., S.T.M., Drew University; Ph.D., St. Andrews University

STEVEN E. SIRY, *Associate Professor of History*

B.A., Northern Kentucky University; M.A., Morehead State University; Ph.D., University of Cincinnati

CONNIE S. EVANS, *Assistant Professor of History*

B.A., M.A., Ph.D. Louisiana State University

ROBERT G. COY, *Lecturer in History*

B.A., Western Reserve; M.Ed., Kent State University

GARY L. CROY, *Lecturer in History*

B.S. Ed., Ohio University; M.S. Ed., University of Akron

JULIEANNE PHILLIPS, *Lecturer in History*

B.A., Baldwin-Wallace College; M.A., Cleveland State University; Ph.D., Case Western Reserve University

Department of Philosophy

DONALD F. WATTS, *Head, Professor of Philosophy*

B.A., Tulane University; M.A., Yale University

ROBERT D. LINGSWILER, *Professor of Philosophy*

A.B., Heidelberg College; Th.M., Th.D., Llif School of Theology; Graduate Studies, Columbia University

Department of Religion

ROBERT M. FOWLER, *Head, Professor of Religion*

B.A., M.A., The University of Kansas; Ph.D., The University of Chicago

FREDERICK E. BLUMER, *Theo and Belle Moll Chair in Faith and Life; Professor of Religion*

B.A., Milsaps college; B.D., Candler School of Theology (Emory University); Ph.D., Emory University

HUGH W. BURTNER, *Professor of Religion*

A.B., Drury College; M.Div., St. Paul School of Theology; M.A., Ph.D., The University of Chicago

MARK H. COLLIER, *Professor of Religion*

B.A., DePauw University; M.Div., Yale University; Ph.D., Kent State University

332 Faculty and Administration

- JOHN W. GORDON III, *Chaplain and Associate Professor of Religion*
 B.A., University of Delaware; M.Div., Eastern Baptist Theological Seminary; M. of Philosophy, Drew University; D. Min., Lancaster Theological Seminary
- EDWARD J. KORDAS, *Lecturer in Religion*
 B.A., Borromeo Seminary of Ohio; M.Div., St. Mary of the Lake Seminary; D. Min., United Theological Seminary (Dayton)
- MICHAEL A. OPPENHEIMER, *Lecturer in Religion*
 B.A., The University of Chicago; B.H.L., M.A.H.L., Hebrew Union College

Department of Speech Communication and Theater

- BARBARA WINBIGLER, *Head, Professor of Speech Communication and Theatre*
 B.F.A., M.A., Ohio Wesleyan University
- GEORGIA M. SWANSON, *Professor of Speech Communication and Theatre*
 A.B., Baldwin-Wallace College; M.A., Kent State University; Ph.D., Bowling Green State University
- JACK B. WINGET, *Professor of Speech Communication and Theatre*
 B.A., M.A., Bowling Green State University; Ph.D., Kent State University
- JEFF HERRMANN, *Associate Professor of Speech Communication and Theatre*
 B.A., Judson College; M.E.A., Southern Illinois University
- NEAL J. POOLE, *Associate Professor of Speech Communication and Theatre*
 A.B., Baldwin-Wallace College; M.A., Bowling Green State University
- CHAS KOERMER, *Assistant Professor of Speech Communication and Theatre*
 B.A., Concord College; M.A., West Virginia University; Ph.D., University of Nebraska at Lincoln
- GREGG PELKA, *Assistant Professor of Speech Communication and Theatre*
 B.A., Baldwin-Wallace College; M.A., University of Michigan
- JOSEPH TARANTOWSKI, *Assistant Professor of Speech Communication and Theatre*
 B.S., Baldwin-Wallace College; M.F.A., University of Wisconsin at Madison
- CHARLOTTE YETMAN, *Assistant Professor of Speech Communication and Theatre*
 B.F.A., Pennsylvania State University; M.F.A., New York University
- KIRK BOGUS, *Lecturer in Broadcasting*
 B.A., Baldwin-Wallace College
- WENDY BOWER, *Lecturer in Speech Communication and Theatre*
 B.S., Ohio University; M.A., Kent State University
- MITCHELL FIELDS, *Lecturer in Speech Communication and Theatre*
 B.A., Case Western Reserve University; M.A., Columbia University
- AARON FOX, *Lecturer in Speech Communication and Theatre*
 B.A., M.A., Case Western Reserve University
- JUDITH LAKNER, *Lecturer in Speech Communication and Theatre*
 B.A., M.A., University of Michigan
- ANN NOCK, *Lecturer in Speech Communication and Theatre*
 B.S.Ed., Bowling Green State University; M.S., Miami University
- JOSH PACTER, *Lecturer in Speech Communication and Theatre*
 B.A., M.A., University of Michigan
- DENISE POLK, *Lecturer in Speech Communication and Theatre*
 B.A., Baldwin-Wallace College; M.A., Miami University
- BOB TAYEK, *Lecturer in Broadcasting*
 B.A., Ohio University; M.A., University of Akron
- KEN SHIPMAN, *Lecturer in Speech Communication and Theatre*
 B.B.A., Fenn College; M.B.A., Case Western Reserve University; Ph.D., Kent State University
- SCOTT SPENCE, *Lecturer in Speech Communication and Theatre*
 B.A., University of Nebraska at Lincoln; M.F.A., Western Illinois University
- GARY VALENZA, *Lecturer in Speech Disorders*
 B.A., Indiana University; M.A., Cleveland State University
- COLLEEN VISCONTI, *Lecturer in Speech Disorders*
 B.A., Case Western Reserve University; M.S., Pennsylvania State University
- CHARLES V. WILLIAMS, *Lecturer in Speech Communication*
 Cuyhoga Community College

DIVISION OF SCIENCE AND MATHEMATICS

STEPHEN TYTKO, *Chair, Assistant Professor of Chemistry*

B.S., Baldwin-Wallace College; Ph.D., Northwestern University

Department of Biological Sciences

STEPHEN D. HILLIARD, *Head, Professor of Biology*

B.S., M.S., Ph.D., University of Cincinnati

MICHAEL N. MELAMPY, *Professor of Biology*

A.B., Earlham College; M.S., Ph.D., University of Illinois

JOHN W. MILLER, *Professor of Biology*

B.S., Dickinson College; M.S., Ph.D., The Pennsylvania State University

MARK B. GORMAN, *Associate Professor of Biology*

B.S., Marietta College; M.S., Ph.D., University of New Hampshire

NATALIE M. BARRATT, *Assistant Professor of Biology*

B.A., Case Western Reserve University ; Ph.D., Cornell University

MICHAEL BUMBULIS, *Assistant Professor of Biology*

B.S., M.S., The Ohio State University, Ph.D., Case Western Reserve University

JOSEPH P. YAVORNITZKY, *Lecturer in Biology*

B.S., Baldwin-Wallace College; D.D.S., Case Western Reserve University

Department of Chemistry

JOSEPH GORSE, *Head, Professor of Chemistry*

B.S., The Ohio State University; M.S., Cleveland State University; Ph.D., University of Arizona

JAMES McCARGAR, *Associate Professor of Chemistry*

B.A., State University of New York at Potsdam; Ph.D., Kent State University

KATHRYN MANSFIELD MATERA, *Assistant Professor of Chemistry*

B.A., Pitzer College; Ph.D., University of California, Davis

STEPHEN TYTKO, *Assistant Professor of Chemistry*

B.S., Baldwin-Wallace College; Ph.D., Northwestern University

NORMAN J. WELLS, *Assistant Professor of Chemistry*

B.S., Purdue University; M.S., University of Pennsylvania; Ph.D., Indiana University

JAYNE BROESTL, *Lecturer in Chemistry*

B.S., Baldwin-Wallace College; Ph.D., Case Western Reserve University

ALOYSIUS HEPP, *Lecturer in Chemistry*

B.S., Carnegie Mellon; Ph.D., Massachusetts Institute of Technology

WAYNE R. LIKAVEC, *Lecturer in Chemistry*

B.S., Muskingum College, Ph.D., Case Western Reserve University

Department of Family and Consumer Sciences

LYNN A. CHRISTIE, *CFCS, Head, Professor of Family and Consumer Sciences*

B.S., Bowling Green State University; M.S., The Ohio State University

CASSANDRA E. AUGUST, *CFCS, CNS, Assistant Professor of Family and Consumer Sciences*

B.S., Northeast Louisiana University; M.S., Kent State University

ELLEN R. BEHL, *Lecturer in Family and Consumer Sciences*

B.S., University of Alabama; M.S., Case Western Reserve University

REBECCA S. MCKENNA, *Lecturer in Family and Consumer Sciences*

B.S., Ohio University; M.S., Iowa State University

JENNETTE L. WILCH, *Lecturer in Family and Consumer Sciences*

B.S., M.H.E., Bowling Green State University

Department of Geology and Geography

RONALD S. COREY, *Head, Associate Professor of Geology*

A.B., Eastern Michigan University; M.S., University of Michigan

NANCY G. GLASS, *Lecturer in Geology*

B.S., Baldwin-Wallace College; M.S., Edinboro State College

DAVID J. REITH, *Lecturer in Geography*

B.A., University of Oklahoma; M.A., Miami University; Ph.D., University of Illinois

ROBERT D. ZALEHA, *Lecturer in Geology*

B.S., Bowling Green State University; M.S., The University of Akron

Departments of Mathematics and Computer Science

TIMOTHY A. RIGGLE, *Head, Professor of Mathematics and Computer Science*

A.B., M.Ed., Wittenberg University; M.S., Case Western Reserve University;

Ph.D., The Ohio State University

GERARDUS D. BOUW, *Professor of Mathematics and Computer Science*

B.S., University of Rochester; M.S., Ph.D., Case Western Reserve University;

M.C.I.S., Cleveland State University

ANTHONY T. LAURIA, *Professor of Mathematics and Computer Science*

A.B., New York University; M.S., Ph.D., Purdue University

RICHARD A. LITTLE, *Professor of Mathematics and Computer Science*

B.S., Wittenberg University; M.A., Johns Hopkins University; Ed.M., Harvard University;

Ph.D., Kent State University

DAVID T. CALVIS, *Associate Professor of Mathematics and Computer Science*

B.S., Case Western Reserve University; M.S., Ph.D., The University of Michigan

CHUNGSIM HAN, *Associate Professor of Mathematics and Computer Science*

B.S., M.A., Ewha Womans University; Ph.D., Brandeis University

SUSAN D. PENKO, *Associate Professor of Mathematics and Computer Science*

B.A., Hiram College; M.A., University of Michigan; M.C.I.S., Cleveland State University

HESTER LEWELLEN, *Associate Professor of Mathematics and Computer Science*

A.B., Mount Holyoke College; M.S.T.M., Fordham University; Ph.D., Kent State University

RANDALL J. MOLMEN, *Assistant Professor of Mathematics and Computer Science*

B.A., Concordia College; B.S., M.S., University of North Dakota

ANTHONY WESTON, *Assistant Professor of Mathematics and Computer Science*

B.Sc., University of New England; Ph.D., Kent State University

BARBARA T. AYLWARD, *Lecturer in Mathematics*

B.A., College of Steubenville; M.A., John Carroll University

JAMES BARTA, *Lecturer in Computer Science*

B.B.A., M.A., Cleveland State University

RICHARD GULICK, *Lecturer in Mathematics*

B.A., Wabash College; M.A., Cleveland State University

JAMES I. HASSEL, *Lecturer in Mathematics*

B.A., Ohio Wesleyan University; M.A., Cleveland State University

JAMES KERR, *Lecturer in Computer Science*

B.S., Baldwin-Wallace College

LAURA S. KINCAID, *Lecturer in Mathematics*

B.S., M.Ed., University of Illinois

MICHAEL C. KOPKAS, *Lecturer in Mathematics*

B.S., M.S., John Carroll University

NICHOLAS A. MOLLEY, *Lecturer in Computer Science*

B.A., M.B.A., Baldwin-Wallace College; M.I.D.S., Case-Western Reserve University

NOAH MONSOUR, *Lecturer in Mathematics*

B.A., Ohio University; M.A., Wayne State University

CHRISTOPHER SULLIVAN, *Lecturer in Computer Science*

B.S., M.B.A., Baldwin-Wallace College

KENNETH M. WEISS, *Lecturer in Computer Science*

B.A., B.M.E., Baldwin-Wallace College

Department of Physics

ROBERT L. WALLIS, *Head, Professor of Physics*

B.A., M.A., Ph.D., University of Colorado

PETER L. HOEKJE, *Associate Professor of Physics*

B.S., Ph.D., Case Western Reserve University

DANIEL G. TONN, *Associate Professor of Physics*

B.S., M.S., University of Oregon; Ph.D., Arizona State University

SHEILA F. BAILEY, *Lecturer in Physics*

B.S., Duke University; M.S., University of North Carolina; Ph.D., University of Manchester, England

MICHAEL MAKINEN, *Lecturer in Physics*

B.S., Michigan State University; M.S., University of Toledo

DALE C. FERGUSON, *Lecturer in Physics and Astronomy*

B.S., Case Western Reserve University; Ph.D., University of Arizona

VINCENZO RUGGIERO, *Lecturer in Astronomy*

B.S., Baldwin-Wallace College; M.B.A., St. Xavier University, Milan, Italy; M.A.Ed., Baldwin-Wallace College

FRED TERENCE, *Lecturer in Physics and Astronomy*

B.S., M.S., University of Chicago; M.S., University of Toledo; Ph.D. Stanford University

GLEN WAGONER, *Lecturer in Physics*

B.S., Idaho State University; M.S., University of Chicago; Ph.D., University of California at Berkeley

DIVISION OF SOCIAL SCIENCES

DAVID M. PROK, *Chair, Professor of Sociology*

B.A., Kent State University; M.A., Bowling Green State University

Department of Economics

BARBARA SHERMAN ROLLESTON, *Head, Associate Professor of Economics*

B.S., The Ohio State University; M.S., Ph.D., Cornell University

ROBERT R. EBERT, *Buckhorn Chair in Economics, Professor of Economics*

A.B., Baldwin-Wallace College; M.A., Western Reserve University; Ph.D., Case Western Reserve University

CRAIG WARREN HEINICKE, *Associate Professor of Economics*

B.A., State University of New York at Purchase; M.A., Ph.D., University of Toronto

DENNIS DIXON MILLER, *Associate Professor of Economics*

B.A., Heidelberg College; M.A., Ph.D., University of Colorado

SANDRA JOAN PEART, *Associate Professor of Economics*

B.A., M.A., Ph.D., University of Toronto

THOMAS A. ROSS, *Associate Professor of Economics*

B.A., Baldwin-Wallace College; M.A., Bowling Green State University

LEWIS C. SAGE, *Associate Professor of Economics*

A.B., Kenyon College; B.A., Ph.D., University of Maryland, College Park

Department of Political Science

CHARLES F. BURKE, *Head, Professor of Political Science*

A.B., Boston University; M.A., Northeastern University

ROBERT L. DRAKE, *Professor of Political Science*

A.B., Ohio Wesleyan University; M.A., Ph.D., Indiana University

JUDY B. KRUTKY, *Professor of Political Science*

B.A., Southern Methodist University; M.A., Johns Hopkins University; Ph.D., Columbia University

DONALD F. VANCE, *Professor of Political Science*

A.B., DePauw University; M.A., Ph.D., Indiana University

JOYCE DICKSON, *Lecturer*

B.A., Baldwin-Wallace College; M.A., Drew University; M.A., The Ohio State University

GEORGE L. FORBES, *Visiting Lecturer in Political Science*

B.A., Baldwin-Wallace College; LL.B., Cleveland-Marshall College of Law

TIMOTHY HAGAN, *Visiting Lecturer in Political Science*

B.A., Cleveland State University

JAMES HARDIMAN, *Lecturer in Political Science*

B.A., Baldwin-Wallace College; J.D., Harvard University

JEFF KING, *Lecturer in Political Science*
B.A., Kent State University; M.Ed., Cleveland State University
TIMOTHY S. MIESSE, *Lecturer in Political Science*
B.A., Baldwin-Wallace College; J.D., Ohio Northern University
CHRISTOPHER SCHOLL, *Lecturer*
B.A., Baldwin-Wallace College; M.A., Drew University
SUSAN MINARCINI WALTERS, *Lecturer in Political Science*
B.A., Baldwin-Wallace College; J.D., Georgetown University

Department of Psychology

G. ANDREW MICKLEY, *Head, Associate Professor of Psychology*
B.A., Gettysburg College; M.A., Ph.D., University of Virginia
MICHAEL D. DWYER, *Professor of Psychology*
B.S., University of Houston; M.A., Ph.D., Syracuse University
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B.A., College of Wooster; M.A., Ph.D., The Ohio State University
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B.A., Brown University; M.A., John Carroll University; M.A., Ph.D., Case Western University
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B.A., M.A., Kent State University; Ph.D., The University of Akron
SUSANNE M. MEEHAN, *Lecturer in Psychology*
B.A., Kent State University; M.A., SUNY Binghamton; Ph.D., Kent State University
KIMBERLY METZ, *Lecturer in Psychology*
B.A., M.S., Ph.D., Ohio University
CARMELA M. PALMENTERA, *Lecturer in Psychology*
B.A., Baldwin-Wallace College; Ph.D., Kent State University
GINA L. PATTERSON, *Lecturer in Psychology*
B.A., Ohio Dominican College; Psy.D., Wright State University
DAWN R. REMMERS, *Lecturer in Psychology*
B.A., Nebraska Wesleyan University; M.S., Ph.D., Kansas State University
RICK K. ROWLETT, *Lecturer in Psychology*
B.A., Mount Vernon Nazarene College; M.A., Cleveland State University; Ph.D., Kent State University

KAREN SCHWARZ-STEVENSON, *Lecturer in Psychology*

B.S., University of Arizona, M.S., Ph.D., Oregon Health Sciences University

SANDRA L. WEBSTER, *Lecturer in Psychology*

B.A., M.A., Cleveland State University, Ph.D., University of New Hampshire

LAURA L. WILLIAMS, *Lecturer in Psychology*

B.A., Ohio Wesleyan University; M.A., Case Western Reserve University

Department of Sociology and Anthropology

DAVID M. PROK, *Head, Professor of Sociology*

B.A., Kent State University; M.A., Bowling Green State University

MARGARET B. BROOKS TERRY, *Professor of Sociology and Anthropology*

B.A., Baldwin-Wallace College; M.A., Ph.D., Case Western Reserve University

LOUIS R. SAN MARCO, *Professor of Criminal Justice and Sociology, Director of Criminal Justice Program*

B.A., Fairfield University; M.S., University of New Haven; Ph.D., Sam Houston University

ANSARRUDIN AHMED, *Associate Professor of Sociology*

B.S., University of Dhaka, Bangladesh; M.A., Ph.D., University of Akron

THERON QUIST, *Assistant Professor of Sociology*

M.S., Brigham Young University; Ph.D., University of Arizona

LIYA WANG, *Assistant Professor of Sociology*

B.S., Nankai University, P.R. China; M.A., Ph.D., University of Utah

ALBERTO ARROYO, *Lecturer in Sociology*

B.A., University of Puerto Rico; M.A. Trinity; Ph.D., University of Akron

JANE BROWN, *Lecturer in Sociology*

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JO ANNA KELLY, *Lecturer in Sociology*

M.A., The Ohio State University; M.A., Case Western Reserve University

IRENE J. FIALA, *Lecturer in Sociology*

B.B.A., M.B.A., Kent State University

CATHERINE M. KING, *Lecturer in Sociology*

B.A., Baldwin-Wallace College; M.A., Ph.D., Case Western Reserve University

DIANE A. LICHTENSTEIN, *Lecturer in Sociology and Anthropology*

B.A., Indiana University; M.A., Ph.D., University of Wisconsin

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B.M., University of Cincinnati; M.M., Indiana University

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B.M., M.M., D.M.A., Performer's Certificate in Organ, Eastman School of Music

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B.A., Wake Forest University; M.M., University of Cincinnati; Advanced Performer's Certificate, Sweelinck Conservatory

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B.A., University of Northern Iowa; M.A., Eastman School of Music

Department of Voice

KEITH BRAUTIGAM, *Chair, Associate Professor of Voice*

B.M., Cornerstone College; M.M., D.M.A., Indiana University

SOPHIE GINN-PASTER, *Professor of Voice*

B.S., M.S., The Juilliard School of Music

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B.M., Baldwin-Wallace College; M.M., Florida State University

KATHLEEN MILLER, *Lecturer in Voice*

B.M., Baldwin-Wallace College; M.M., University of Cincinnati

ROBERT PSURNY, *Lecturer in Voice*

B.M., University of Toledo; M.M., Ohio University; D.M.A., The Cleveland Institute of Music

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VICTORIA BUSSERT, *Chair, Associate Professor of Musical Theatre*

B.A., Barat College; M.A., M.F.A., Northwestern University

Department of Wind and Percussion Instruments

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B.M., Oberlin College; M.M., Northwestern University

GEORGE KITELEY, *Professor of Percussion*

B.M.E., M.M., University of Colorado

DWIGHT OLTMAN, *Professor of Conducting, Music Director, Bach Festival*

B.S., McPherson College; M.M., Wichita State University

GARY ADAMS, *Lecturer in Tuba*

B.A., Middlebury College; M.M., University of Akron

JOHN BRNDIAR, *Lecturer in Trumpet*

B.M.E., Baldwin-Wallace College; M.M., Cleveland Institute of Music

ELIZABETH CAMUS, *Lecturer in Oboe*

Cleveland Institute of Music

LYNETTE DIERS COHEN, *Lecturer in Bassoon*

B.M., Oberlin College; M.M., Peabody Conservatory of Music

JAMES DARLING, *Lecturer in Trumpet*

B.M., University of Kentucky; M.M., University of Illinois

KATHERINE DEJONGH, *Lecturer in Flute*

B.M., University of Illinois; M.M., Cleveland Institute of Music

MARY KAY FINK, *Lecturer in Flute*

B.M., Oberlin College; M.M., The Juilliard School of Music

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Cleveland Institute of Music

DEIDRE MCGUIRE, *Lecturer in Flute*

B.M., Baldwin-Wallace College

ALBERT SCHMITTER, *Lecturer in French Horn*

B.M., Baldwin-Wallace College

Department of Music Theory, History and Literature, Composition

LAWRENCE HARTZELL, *Chair, Professor of Music Theory*

B.M., Baldwin-Wallace College; M.M., Ph.D., University of Kansas

LORIS CHOBANIAN, *Professor of Composition and Guitar*

B.M., M.M., Louisiana State University; Ph.D., Michigan State University

MARY DOBREA, *Assistant Professor of Music Theory*

B.M., Baldwin-Wallace College; M.M., Ithaca College; D.J.-D., Institut Jaques-Dalcroze

JAMES FELDMAN, *Professor of Music Theory*

B.M., M.M., Eastman School of Music; Ph.D., Kent State University

MELVIN UNGER, *Riemenschneider Chair in Music, Professor of Music History and Literature, Director, Riemenschneider Bach Institute*

B.M., University of Saskatchewan; M.M., University of Oregon; D.M.A., University of Illinois

WALTER WINZENBURGER, *Professor of Music Theory*

B.M., M.A., Ph.D., Eastman School of Music

JAMES HIRT, *Lecturer in Music Theory*

B.M., Capital University; M.M., D.M.A., University of Cincinnati

LISA RAINSONG, *Lecturer in Music Theory*

B.M., M.M., Cleveland State University

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Professor Emerita of Home Economics
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Professor Emeritus of German
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Professor Emeritus of Biology
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Professor Emeritus of Economics
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Professor Emeritus of Psychology
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Professor Emeritus of History
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Professor Emeritus of Business Administration
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Professor Emeritus of Business Administration
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Professor Emeritus of Voice
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Professor Emerita of German

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Professor Emeritus of Music Education

ROGER E. STANSFIELD, Ph.D., 1956-1992
Professor Emeritus of Chemistry

ALAN SQUIRE, M.M., 1953-1993
Professor Emeritus of Clarinet

DAVID PROCTOR, Ph.D., 1960-1994
Professor Emeritus of Physics

S. LEE WHITEMAN, Ph.D., 1960-1994
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Professor Emeritus of Voice

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Professor Emeritus of Theatre

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Professor Emeritus of Music Education, Director of the Conservatory

GEORGE CHERRY, D.M.A., 1966-1998
Professor Emeritus of Piano

DAVID R. DEMMERLE, P.E. Dir., 1962-1998
Professor Emeritus of Health and Physical Education

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Professor Emeritus of Theater

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Professor Emeritus of English

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Professor Emeritus of Music History and Literature

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