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2005

2005-2007 Otterbein College Undergraduate Course Catalog

Otterbein University

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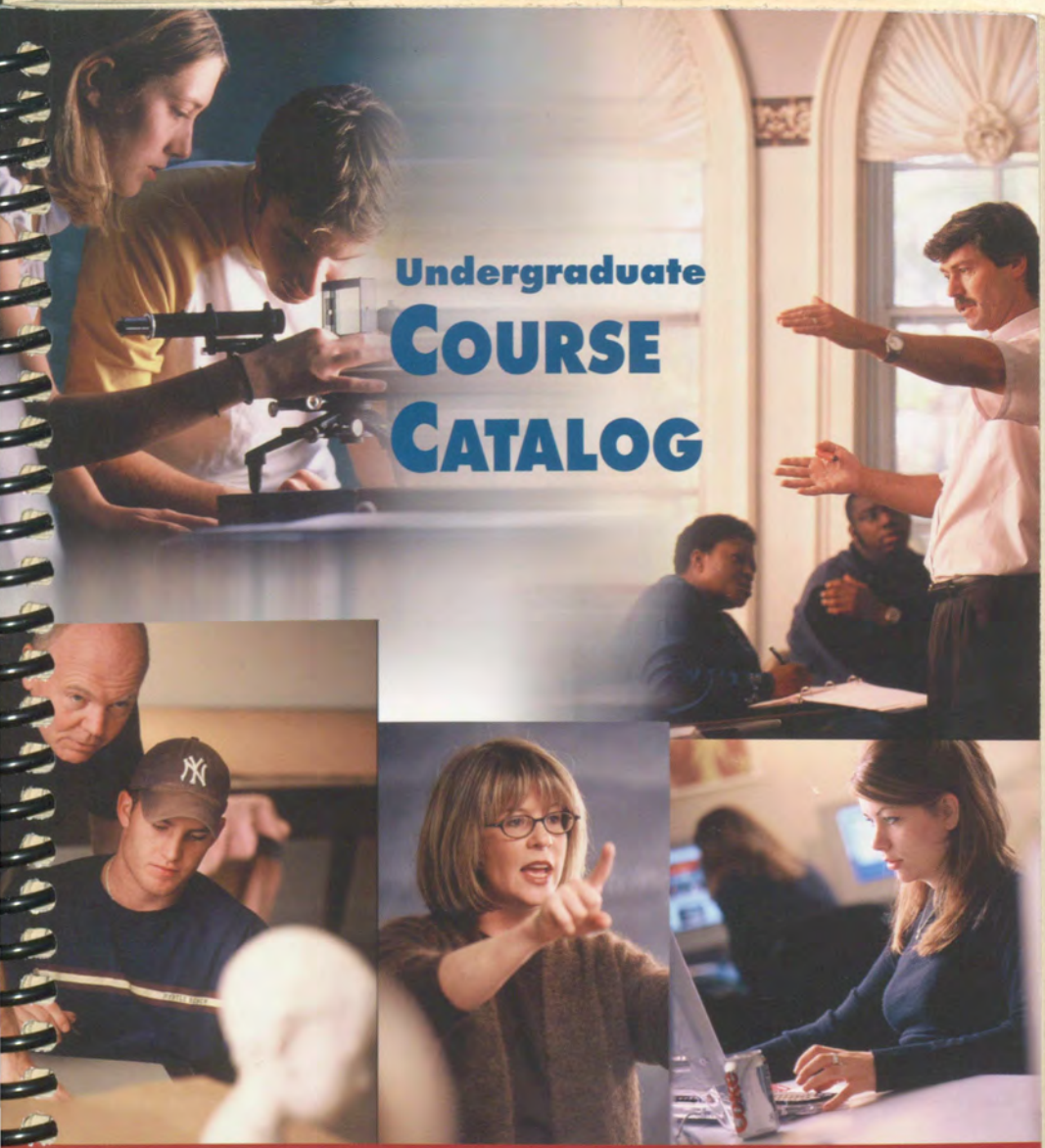

Undergraduate COURSE CATALOG

OTTERBEIN COLLEGE

Autumn, 2005 to Summer, 2007

Academic Calendar

	2005-06	2006-07
AUTUMN QUARTER		
Classes Begin	Sept. 12	Sept. 11
Examination Period	Nov. 21-23	Nov. 20-22
WINTER QUARTER		
Classes Begin	Jan. 3	Jan. 2
Examination Period	March 13-15	March 12-14
SPRING QUARTER		
Classes Begin	March 27	March 26
Examination Period	June 5-7	June 4-6
COMMENCEMENT		
Masters Degree	June 10	June 9
Bachelors Degree	June 11	June 10

SUMMER SESSION
The 2006 Summer Session calendar may be accessed at www.otterbein.edu. The 2007 Summer Session calendar will be posted to the website in January 2006.

www.otterbein.edu

Nondiscrimination Policy

Otterbein College does not discriminate on the basis of race, religion, age, sex, color, disability, sexual orientation, national or ethnic origin, political affiliation, marital or veteran status in admission of students, educational policies, scholarships and loans, housing, athletics, employment, and other activities. Inquiries regarding compliance with federal nondiscrimination regulations may be directed to the Chairperson of the Affirmative Action Committee; the Vice President for Academic Affairs; or the Director of Human Resources.

Accreditation

Otterbein College is approved by the North Central Association of Colleges and Secondary Schools, the American Association of University Women, the American Chemical Society, the Association of American Colleges, the Commission on Accreditation of Allied Health Education Programs, the Commission on Collegiate Nursing Education (CCNE), the National Association of Schools of Music, the National Council for Accreditation of Teacher Education, the National League for Nursing Accreditation Commission, the Ohio College Association, and the Ohio Department of Education.

The provisions of this Catalog are not to be regarded as an irrevocable contract between the student and Otterbein College. This Catalog has attempted to present information regarding admission requirements and the general rules and regulations of the College in as accurate and up-to-date fashion as possible. This does not, however, preclude the possibility of changes taking place during the academic year. If such changes occur, they will be publicized through normal channels and will be included in the next edition of the Catalog.

Westerville, Ohio 43081 (800) 488-8144
Otterbein College Undergraduate Course Catalog

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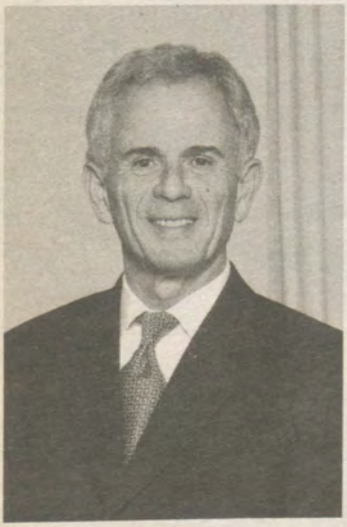
FROM THE PRESIDENT



I like to refer to Otterbein as a *comprehensive liberal arts* college. As a *comprehensive* college, we offer a focused curriculum that will prepare you for a broad range of specific careers. As a *liberal arts college* you will explore a breadth of subjects looking beyond your immediate environment to embrace new perspectives to help prepare you for the challenges and ambiguities you will face in a lifetime.

As a student at Otterbein, receiving personal attention from professors is the rule not the exception. With a student-to-faculty ratio of 13 to 1, the focus is on personal collaboration between you and your professors. Our faculty care about your personal as well as your intellectual growth. We respect your individual talents and want to assist you in developing them to their full potential. We want you to be successful.

Welcome to Otterbein!

Cordially,

C. Brent DeVore

The College and the Community

Institutional Mission

The mission of Otterbein College is to educate the whole person in a context that fosters the development of humane values. Otterbein College is a private, church-related, four-year coeducational college that sponsors traditional and continuing education programs of liberal arts and professional education at Baccalaureate and Master's levels. Our commitment is to the liberal arts as the broad base of all learning.

Our Philosophy

Otterbein College seeks to sponsor a program of liberal arts education in the Christian tradition. Characteristic of this educational venture are the efforts to help you become increasingly aware of yourself and responsible within the larger society. The College seeks to encourage serious dialogue so that a variety of lively human beings, demonstrating informed, well-disciplined intellectual abilities along with humane values, will develop to serve within the community.

The fulfillment of these purposes requires you to read well, write well, think clearly, identify ideas, know how to discuss, to listen, to seek data and to have powers of synthesis and creativity. Otterbein seeks to provide you with focal points around which self-education may continue after graduation and with attitudes appreciative of those values reflected in the purposes of the College. In striving for such attitudes, you must see your own specialties in a larger perspective and be prepared with a complement of intellectual skills to join creatively in thoughtful dialogue.

The patterns of academic requirements and nonacademic life are designed to help you share in the goals of the College. For example, Integrative Studies offers you a concrete academic opportunity to develop self-awareness and social consciousness through the readings, lectures, class discussions and conversations on the campus. In such fashion you learn to view your special interests from a broader perspective.

The college major you choose also offers the opportunity to develop informed, well-disciplined intellectual abilities. The major will help provide a focus for your college experiences and will form the foundation for career development.

The Senior Year Experience provides a structure to bring together the knowledge and skills gained through Integrative Studies and majors courses as students make the transition from student to professional/citizen.

Our History

Otterbein College was founded (as the Otterbein University of Ohio) in 1847 by the Church of the United Brethren in Christ and named after a co-founder of the Church, Philip William Otterbein, who was a German Reformed pastor and itinerant evangelist. In later years, the Church went through a merger with the Evangelical Association and became the Evangelical United Brethren Church (EUB) and then, through a second merger with the Methodist Church, became the current United Methodist Church. Otterbein was chartered by the State of Ohio in 1849, and granted its first degrees in 1857. It is currently approved by the University Senate of the United Methodist Church. From eight students in 1847, we have grown to a current enrollment of about 3,000.

The College has historically seen its mission centered in a program of liberal arts education in the Christian tradition. While Otterbein has evolved into a comprehensive college, combining traditional liberal arts disciplines and professional programs, the liberal arts remain a foundation for our educational programs.

The evolution to a comprehensive college has been a natural one for Otterbein. As noted in one of the College's early histories, in the first sixty years of the College, "students prepared mainly for teaching, the ministry and professional careers." Historically, we have viewed the liberal arts and preprofessional education as complementary.

Similarly, while Otterbein has always emphasized undergraduate education, the recent decisions to offer graduate degrees are also consistent with our history and mission. The College offered Ph.D. degrees from 1883 until 1895 and M.A. degrees until 1912, and when graduate programs in Education and Nursing were added in 1989 and 1993, one important rationale was that these programs would provide important benefits to the undergraduate curriculum.

In addition to its Church-related heritage and its commitment to liberal arts and professional education, three other features of Otterbein's history deserve special attention.

First, from its founding, and as a reflection of Church practices and policies, Otterbein was intentionally and uncommonly inclusive with respect to women and people of color. Otterbein was among the first coeducational colleges in America, and probably the first college in the United States to be *founded* as coeducational and to admit women to the same programs of study as male students. Its first two graduates were females. From its opening, Otterbein employed female faculty members, and it

was probably the first college to do so. Otterbein was also one of the first three colleges in the United States to be open to students of color, and College historians have argued that it deserves to be considered the first to be founded with that philosophy.

Second, Otterbein has been unique in the development of a governance system that includes many campus constituencies in college decision-making. During the 1850's and 1860's, a number of faculty served as members of the Executive Committee. Since 1946, faculty and students have served in an advisory role on most trustee committees. In September, 1970, the College implemented a new governance system that is an extension of this inclusive heritage and that received much national attention. The new system provided for a single College Senate, composed of faculty, students, administrators, alumni, and trustees; it also added three elected student trustees and three elected faculty trustees as full voting members of the Board.

Third, in more recent history, Otterbein created in 1968 an innovative general education initiative, the Integrative Studies Program. Originally known as the "Common Courses" in the early history of the institution, the Integrative Studies Program was also established, in keeping with the College's spirit of inclusiveness and community, to provide sufficiently broad study of world culture to enable students to understand the continuum of ideas, movements, and patterns which has produced the civilization of the 21st century. Like our governance system, this program has also received national recognition by the Association of American Colleges (now, the Association of American Colleges and Universities). Recent revisions of the program underscore the themes of coherence, breadth of understanding, and intellectual community.

About Westerville and Central Ohio

Otterbein College is located in Westerville, Ohio, a suburb of Columbus, the state capital.

The town of Westerville was only nine years old when Otterbein College was founded in 1847. The fertile lands had been settled earlier by people from New England, New York, and Virginia, and the township surrounding Westerville was named in honor of Blendon, Connecticut. The settlers cleared the land, built their homes, churches, and schools, and then their college. As the township continued to grow, Westerville grew too, but for many decades it was known as the "quiet, peaceful village."

Westerville still retains the advantages of a small town while offering the amenities that go with a modern community. At Otterbein you are only a short walk from uptown Westerville with its restored buildings, brick streets, charming gift and antique shops, boutiques and cafes. The town's many parks provide opportunities for recreation or just relaxation. And nearby you will find lakes where you can sail, water ski and sometimes ice skate.

Columbus, the 15th largest city (711,470) and one of the largest metropolitan areas in the country, is centrally located in Ohio. As the state capitol, Columbus is one of the fastest growing cities in the country. An innovative city, it is known worldwide for the large presence in its economy of progressive businesses and for its quality work force.

Recent years have seen an upsurge in arts related events as world class entertainment has come to be the standard for Columbus. The arts and cultural amenities of Columbus rival those of any other major city in the United States.

The art crowd gathers at the Columbus Museum of Art which holds special events throughout the year. Once a month, art lovers flock to the Gallery Hop in the Short North, an eclectic neighborhood of cafes, art galleries, antique shops and boutiques, where local businesses open their doors for late evening visits.

The Columbus Symphony Orchestra, BalletMet, Opera/Columbus and the Columbus Association for the Performing Arts (CAPA) bring world-renowned performances to the area. Also the Martin Luther King Jr. Performing and Cultural Arts Complex showcases African-American exhibits and performances, while The Ohio State University's Wexner Center for the Performing Arts has emerged as a showplace for avant garde performances. Close at hand lies the Polaris Amphitheatre, bringing concerts of all types to town.

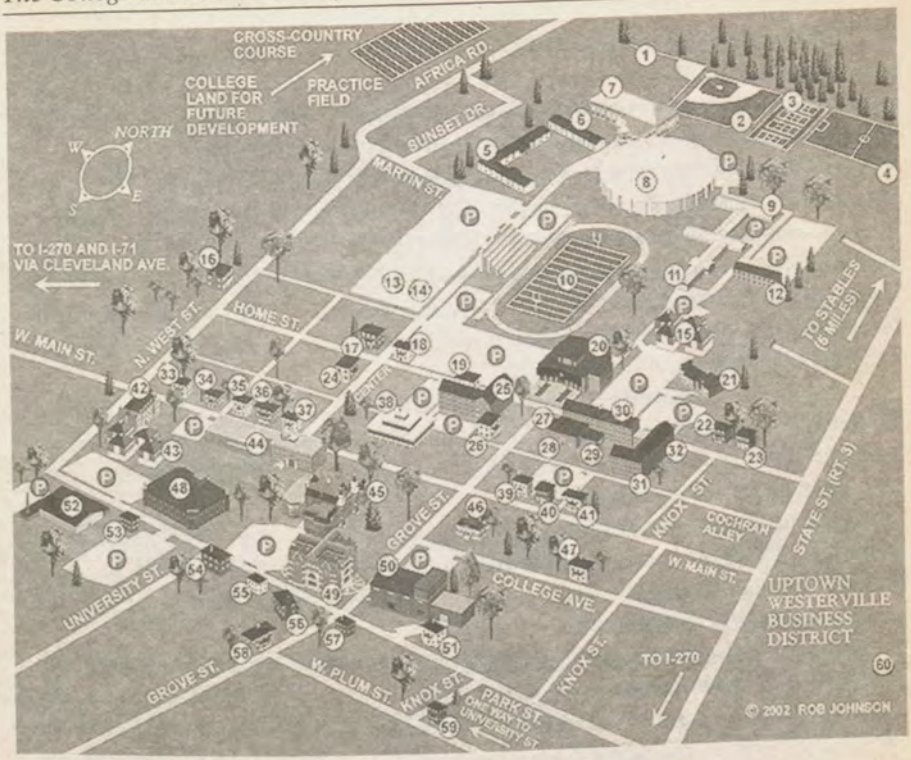
Columbus also supports a variety of theater companies and venues including the Contemporary American Theatre Company (CATCO), Reality Theatre, Shadowbox Theatre, the Riffe Theatre, the Great Southern Theatre, the Palace Theatre and the Ohio Theatre.

Other attractions in downtown Columbus include the Center for Science and Industry and Thurber House, which is known for its Evening with Authors series, and German Village, the largest restored historical district in the country, with its brick streets, restaurants and gift shops.

The city is also a shopper's mecca. There's the multi-level City Center, one of the most successful downtown shopping centers in the nation. There's also the North Market, a historic farmer's market plus the many malls around Columbus and the outlying suburbs — including Polaris Fashion Place and Easton, a new shopping and entertainment megacomplex. Columbus is also known for its many specialty coffee shops and book stores including many discount book stores.

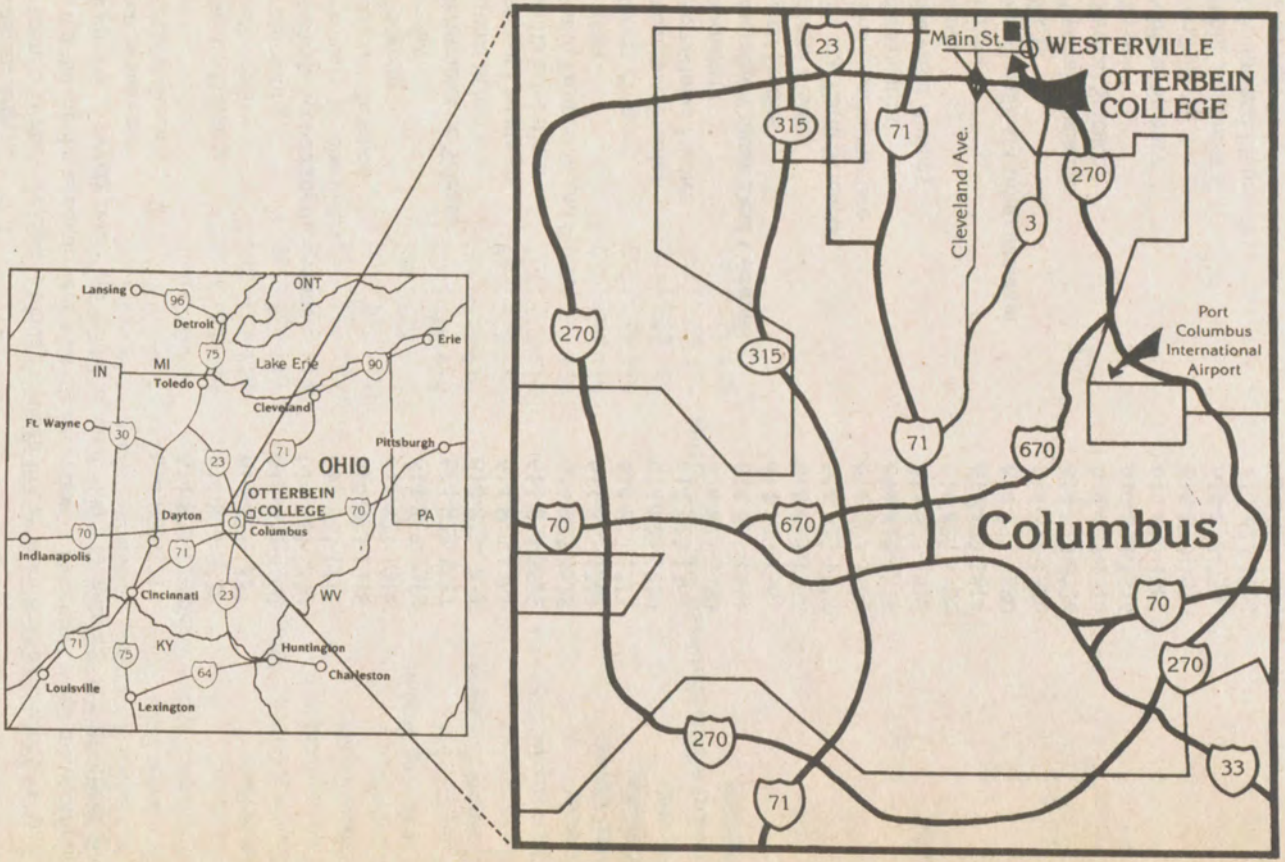
Professional sports are taking hold in Columbus with the Major League Soccer (MLS) team, the Crew; the new National Hockey League (NHL) team, the Columbus Blue Jackets (located in the new Arena District of restaurants, theatre and other entertainment); and the Columbus Clippers, the minor league franchise for the New York Yankees.

Dining out is also one of the attractions in Columbus. You can sample cuisine from all parts of the world. Restaurants of all ethnic types are scattered throughout the city and range from fast food to fine French dining and everything in between.



1. Softball field
2. Baseball field
3. Tennis Courts
4. Soccer field
5. Davis Hall (Residence Hall)
6. Davis Hall Annex (Residence Hall)
7. Clements Recreation Center
8. Rike Physical Education Center
9. Garst Hall (Residence Hall)
10. Memorial Stadium
11. Scott Hall (Residence Hall)
12. Engle Hall (Residence Hall)
13. Newly Added Parking
14. Newly Added Parking
15. The Commons-Home Street Apts.
16. Clements House (President's Residence)
17. The House of Black Culture
18. Theme Housing
19. Sigma Alpha Tau Sorority
20. Campus Center
21. Otterbein Health Center
22. Theta Nu Sorority
23. Honors House
24. Theme Housing
25. Mayne Hall (Residence Hall)
26. Psychology Department
27. Career Development Ctr./Chaplain's Office
28. Barlow Business Office/Treasurer's Office
29. Chapel
30. Clements Hall (Residence Hall)
31. Student Affairs Office
32. Hanby Hall (Residence Hall)
33. Theme Housing
34. Tau Epsilon Mu Sorority
35. Communications Dept.
36. Tau Delta Sorority
37. Hanby House (Ohio Historical Society)
38. Courtright Memorial Library
39. Epsilon Kappa Tau Sorority
40. Theme Housing
41. Kappa Phi Omega Sorority
42. Dunlap-King Hall (Residence Hall)
43. The Commons-Park Street Apts.
44. Schear-McFadden Science Hall
45. Towers Hall
46. Clippinger Hall (Office of Admission & Fin. Aid)
47. Zeta Phi Fraternity
48. Battelle Fine Arts Center (Music & Art Dept.)
49. Roush Hall
50. Cowan Hall
51. Lambda Gamma Epsilon Fraternity
52. Service Department
53. Otterbein Women's Club Thrift Shop
54. Eta Phi Mu Fraternity
55. Cellar House (College Relations, Development)
56. Howard House (Advancement, Alumni Relations)
57. Hancock House (Faculty Offices)
58. Pi Kappa Phi Fraternity
59. Pi Beta Sigma Fraternity
60. Frank Museum of Art

(letters indicate parking lots)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KY
Huntington
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Charleston
Louisville
Lexington
Main St.
WESTERVILLE
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COLLEGE
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315
71
Cleveland Ave.
270
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Port
Columbus
International
Airport
270
315
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670
70
670
Columbus
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270
270
33
71

Frequently Requested Telephone Numbers

Academic Offices

Academic Offices are open Monday through Friday from 8:30 a.m. until 5:00 p.m. during the regular acadmic year with the exception of December when many offices are closed. Summer hours are 8:30 a.m. until 4:00 p.m. although not all offices are open in summer.

Actuarial Science	614-823-1218
Art	614-823-1792
Athletic Training	614-823-3528
Black Studies	614-823-1837
Broadcasting	614-823-3380
Business/Accounting/Economics	614-823-1310
Chemistry/Biochemistry	614-823-1316
Computer Science	614-823-1218
Education	614-823-1214
English	614-823-1218
Environmental Science	614-823-1517
Equine Science	614-823-1843
Foreign Languages	614-823-1361
Health Education	614-823-3528
Health Promotion and Fitness	614-823-3528
History	614-823-1361
Honors Program	614-823-1211
Integrative Studies	614-823-1210
International Studies	614-823-1361
Journalism	614-823-3380
Language/Culture Deaf Community	614-823-1361
Legal Studies	614-823-1361
Liberal Studies	614-823-1356
Life and Earth Sciences	614-823-1517
Mass Communication	614-823-3380
Mathematics	614-823-1218
Molecular Biology	614-823-1517
Music	614-823-1508
Nursing	614-823-1614
Organizational Communication	614-823-3380
PACE	614-823-1356
Physical Education	614-823-3528
Physical Science	614-823-1316
Physics	614-823-1316
Political Science	614-823-1361
Psychology	614-823-1615
Public Relations	614-823-3380
Religion and Philosophy	614-823-1361
Sociology	614-823-1837
Speech Communication	614-823-3380
Sport Management	614-823-3528
Theatre/Dance	614-823-1657
Women's Studies	614-823-1361

Administrative Offices

Administrative offices are open Monday through Friday from 8:30 a.m. until 5:00 p.m. during the regular academic year. Summer hours are 8:30 a.m. until 4:00 p.m. Some offices have extended hours throughout the year.

Admission (traditional-age students)	614-823-1500
Admission (continuing education students)	614-823-1356
Academic Dean	614-823-1556
Academic Support Center	614-823-1610
Athletics	614-823-3529
Bookstore	614-823-1364
Business Office (billings and payments)	614-823-1150
Campus Center	614-823-3202
Career Center	614-823-1456
Chaplain	614-823-1409
Continuing Studies	614-823-1356
Financial Aid	614-823-1502
Graduate Programs	614-823-1310
Health Center	614-823-1345
International Programs	614-823-1312
Library	614-823-1215
Mail Center	614-823-1882
Registrar	614-823-1350
Security	614-823-1870
Student Affairs (residence life; meal plans)	614-823-1250
Veterans	614-823-1249

THE ACADEMIC PROGRAM

Degrees Offered

The College offers the following degrees at the *undergraduate* level:

Bachelor of Arts (B.A.)
Bachelor of Science (B.S.)
Bachelor of Fine Arts (B.F.A.)
Bachelor of Music (B.MUS.)
Bachelor of Music Education (B.M.E.)
Bachelor of Science in Education (B.S.E.)
Bachelor of Science in Nursing (B.S.N.)

In the programs at Otterbein College that offer both the BA and the BS degrees, the degrees have been defined as:

1. The BA degrees are programs that are designed to provide a broad coverage of one field in the context of a comprehensive liberal arts education. BA degrees are characterized by breadth and flexibility (i.e. opportunities for electives outside the major). They are appropriate for students combining the study of their principal program with the study of other disciplines (e.g. the sciences, professional studies, art, humanities, or the social sciences).
2. The BS degrees are programs that are specifically designed to prepare students for graduate and professional programs. BS degrees are characterized by specialization and depth and include significant quantitative components. They typically require advanced work within the discipline and supporting and/or interdisciplinary work in related disciplines. BS students may also be required to complete an independent research project through departmental, internship, honors, or distinction programs.

The College offers the following degrees at the *graduate* level:

Master of Business Administration (M.B.A.)
Master of Arts in Education (M.A.E.)
Master of Arts in Teaching (M.A.T.)
Master of Science in Nursing (M.S.N.)

Additional information regarding the Master's degree programs is described in separate publications available upon request from the Graduate Programs Office.

The Liberal Arts Core

All students at Otterbein College take a core of courses in the liberal arts. The largest piece in this core is the Integrative Studies (INST) program, which focuses on the theme of human nature. This program was originally called the Common Courses to emphasize that all of us need a shared base of knowledge so that we can join in the discussions of ideas and issues important to educated people. Through the

Integrative Studies program, students take courses in the social sciences; the arts; the natural sciences; religion and philosophy; and literature and composition. Through the variety of disciplines integrated in the program, the college ensures that Otterbein graduates have a breadth of knowledge and experiences in different approaches to a common theme.

Otterbein College also requires experience and knowledge in mathematics and in foreign languages. The requirements in these areas work together with the Integrative Studies program to ensure breadth in learning. Students are exposed to the importance of mathematics in building analytic and logical power, in understanding the physical world, and in coping with the quantitative and technical information which increasingly governs society. The study of a foreign language prepares students to participate more fully as citizens of an increasingly interconnected and interdependent world community and develops an awareness, understanding and appreciation of cultures other than their own. College academic foundation skills include writing, and the three-course writing sequence in the Integrative Studies program (INST 100/105/110, 270, and 300) is designed to ensure regular practice and development of formal writing skills in presentation and support of ideas. In addition, Otterbein has made the commitment to support the physical as well as the mental skills of its students, and requires three one-credit hour courses in Health and Physical Education.

During their senior year, candidates for all Bachelor's degrees must meet the Senior Year Experience (SYE) requirement. The requirement is designed to allow students to bring together the learning gained in their majors and their liberal arts core courses. The SYE requirement can be met through a variety of choices; all provide closure for the four years of a liberal arts education and ensure the opportunity for personal and college assessment.

The Integrative Studies Program and Requirements

Candidates for all Bachelor's degrees must complete the Integrative Studies Program requirements. The Integrative Studies Program builds self-knowledge as well as knowledge of the diversity of cultures, traditions, and points of view in the world. At each level in the program, the frame within which individuals see themselves widens and becomes both more complex and more inclusive. As a result, students going through the Integrative Studies Program gain a broad, general knowledge of the world they live in.

The program of courses in Integrative Studies consists of ten requirements (50 credit hours), which must be taken throughout the four years of undergraduate education, with some designed specifically for freshmen, some for sophomores, and some for juniors and seniors. At the freshman level, courses emphasize the individual and the context of society and history. Sophomores and juniors are asked to consider in depth the significance of their values, philosophy, and beliefs. At the junior and senior level, students then put their knowledge of themselves, their own traditions, and their own beliefs into the context of the arts and the sciences. Finally, students are expected to consider their knowledge and beliefs within the wider context of the non-western world and its variety of cultural forms and values. All the courses are linked by a common goal: to understand human nature and our place in the universe.

Freshman Requirements
Required/Choose one writing course.
INST 100 Freshman Seminar
INST 105 Growing Up in America
INST 110 Composition and Literature: *The Individual and Society*

Required/Choose one social science course.
INST 130 Psychology and Human Nature
INST 160 World Geography & Human Society
INST 170 Inequality in Contemporary American Society
INST 180 Encountering Cultural Systems

Required social science course.
INST 150 Issues in Western Experience

Sophomore Requirements
Optional/This natural science course and one upper level INST natural science course fulfills the INST Natural Sciences requirement.
INST 240 Scientific Thinking and Doing, an Interdisciplinary Approach

Required/Choose one religion or philosophy course.
INST 250 Philosophy and Human Nature
INST 260 Human Nature in the Christian Tradition

Required writing course.
INST 270 Composition and Literature: *Relationships and Dialogues*

Junior and Senior Requirements
Please note: Students must take the freshman and sophomore level requirements before enrolling in the junior and senior level requirements.
Required writing course.
INST 300 Composition and Literature: *The Dilemma of Existence*

Required/Choose one fine arts course.
INST 310 Art Forms: *Images and Ideas*
INST 320 Music and Human Nature
INST 330 Theatre and Human Nature

Required/Choose two natural science courses.
INST 340 Chemistry Affects Our Lives
INST 350 Biological Science: *Being in Nature*
INST 360 Energy, Science, and Society
INST 400 Earth Science and Humankind
INST 410 Our Place in the Universe

Required/Choose one global thought course.
INST 380 Human Nature in World Religions and Philosophies

INST 381 Aspects of World Music
INST 382 African Cultures and Colonialism
INST 383 Modern Indian Culture and Literatures
INST 384 Approaching Japan Through Its Arts
Full descriptions of the Integrative Studies courses can be found later in the catalog in the Program and Course Descriptions section.

The Foreign Language Requirement

For B.A. students: French 100 and 110, or Spanish 100 and 110, or German 100 and 110, or Japanese 100 and 110.
For B.S. students: French 100, 110, and 120, or Spanish 100, 110, and 120, or German 100, 110, and 120, or Japanese 100, 110, and 120.
For B.F.A. students: not required
For B.M.E. students: not required
For B.MUS. students: 10 hours of French, Spanish, German or Japanese at 110-499 level; proficiency from orientation placement exam not permitted.
For B.S.E. students: not required
For B.S.N. students: not required

Equivalent transfer credit for foreign language courses other than those offered at Otterbein (Greek, Italian, Swahili, etc.) may be used to fulfill this requirement.

International students whose native language is not English are exempt from the foreign language requirement, but may be required to take EFL 100 (Advanced English).

The Department of Foreign Languages administers proficiency tests in French, German and Spanish to incoming freshmen and transfer students. All students who are subject to the foreign language requirement must take this test. The German placement test places students into one of the following levels: 100, 110 or 120. The French and Spanish tests place students into one of the following levels: 100, 110, 120, 140 or 210. Students who place into a level higher than that required for the chosen degree have met the foreign language requirement and are especially encouraged to combine further language study with the selected major. See page 14 for a description of the foreign language requirement for each degree.

The Mathematics Requirement

For B.A. students: Math 115 or Math 116 or Math 120 or Math 150
For B.S. students: Math 120 (or Math 115 and 116), 170, and 180
For B.F.A. students: not required
For B.M.E. students: not required in the liberal arts core, but there is a math requirement in the major
For B.MUS. students: not required
For B.S.E. students: not required in the liberal arts core, but there is a math requirement in the major
For B.S.N. students: not required in the liberal arts core, but there is a math requirement in the major

The Department of Mathematical Sciences administers a proficiency test for mathematics placement. Based upon the results of this test, it is possible to place out of

part of the B.S. or all of the B.A. mathematics requirement. It is also possible that the examination will indicate a student's math skills need additional strengthening. This is achieved by taking one or two pre-college level courses which do not count toward graduation (ASC 080; Math 090). In addition, some majors require more than one college level mathematics course.

The Health and Physical Education Lifestyle Series Requirement

Candidates for all Bachelor's degrees must complete one course from the HPES 101 series, one course from the HPES 102 series and one course from the HPES 103 series. Students who will be 23 years of age by the time they graduate and students enrolled in the Continuing Studies program are exempt from this requirement.

Each of the HPES courses (101, 102, 103) is repeatable to a maximum of 2 credits. Credits exceeding the limit will not count towards graduation.

The Senior Year Experience Requirement

Candidates for all Bachelor's degrees must complete the Senior Year Experience (SYE). The Senior Year Experience is designed to teach and strengthen the skills and practice of synthesis; to ensure structure, content, and credit for the work of connecting learning across disciplinary boundaries; to provide a focal point and closure for the four years of a liberal arts education; and to provide a bridge between academic learning and responsible citizenship. SYE courses and options expose students to significant contemporary social issues that challenge us as citizens; give tools for understanding and making ethical choices when faced with such issues; provide a curricular space in which to bring together the learning gained in majors and Integrative Studies courses; provide opportunities for working together on issues that require a wide range of disciplinary perspectives and expertise; and enable students to consider their roles as educated persons, professionals, and citizens. *Students must have completed 135 credit hours and seven of ten Integrative Studies courses before taking the SYE requirement. Some options may have additional prerequisites; check individual course descriptions. The SYE requirement must be taken in residence.*

Students can meet their SYE requirement through 1) team-taught 5-credit hour interdisciplinary SYE courses; 2) departmental offerings that include SYE components and have been approved by the SYE Committee; or 3) SYE offerings tied to off-campus, immersion, internship, or individualized experiences. Because the options meeting this requirement vary from year to year, they are listed annually in registration materials available in the Registrar's Office and on CardinalWeb for Students. Students should familiarize themselves with these materials and meet with their advisor before selecting their SYE choice.

The Major

To complement the broadening aspects of the liberal arts and elective components of the baccalaureate degree, students must also pursue a primary concentration in depth, called a **major**. The major is designed to provide an understanding of the theories, perspectives, and practices related to a particular body of knowledge. Otterbein offers disciplinary and interdisciplinary majors. A disciplinary major requires students to take coursework from one academic discipline and may require some supporting

courses drawn from other academic disciplines. An interdisciplinary major requires students to take a balanced selection of courses from at least two academic disciplines. The requirements for the majors programs differ from department to department, and some include required grade point averages as well as specific course requirements. All majors require at least 15 quarter hours in residence and all of these hours must be at the 300/400 course level. Selecting a major also means selecting the particular degree you receive upon graduation.

Some students select a major directly identified with an occupation. Others choose one of the College's liberal arts majors that traditionally lead to employment in diverse areas. For other students the choice of major is directed at preparation for graduate school.

Many students entering college are undecided about a major. During their early quarters of enrollment at Otterbein, these students typically schedule core courses and experiment by enrolling in courses in majors in which they have a general interest. Faculty advisors are available to help students begin the process of selecting a major and begin thinking about a career.

Majors Offered

Bachelor of Arts (B.A.) Majors

Accounting
Accounting, Public
Art
Athletic Training
Biochemistry
Broadcasting
Business Administration
Chemistry
Computer Science
Economics
English
Environmental Science
Equine Administration
Equine Health Technology
Equine Facility Management
Equine Science Preveterinary and Pregraduate Studies
French
Health Education
Health Promotion and Fitness
History
Individualized
International Studies
Journalism
Life Science
Mathematics
Molecular Biology
Music
Organizational Communication
Philosophy
Physical Education
Physics
Political Science
Psychology
Public Relations
Religion
Sociology
Spanish
Speech Communication
Sport Management
Theatre

Bachelor of Arts (B.A.) Majors in Liberal Studies

(open to students enrolled in the Continuing Studies Program, see p. 334)
Liberal Studies in Business Administration
Liberal Studies in Business Psychology
Liberal Studies in Human Resources Management
Liberal Studies in Information Management

Liberal Studies in Leadership and the Liberal Arts
Liberal Studies in Management and Leadership
Liberal Studies in Organizational Communication

Bachelor of Science (B.S.) Majors

Accounting	Equine Administration
Accounting, Public	Equine Facility Management
Actuarial Science	Equine Science Preveterinary and Pregraduate Studies
Athletic Training	Individualized
Biochemistry	Life Science
Business Administration	Mathematics
Chemistry	Molecular Biology
Computer Science	Physical Science
Economics	Physics
Environmental Science	Psychology

Bachelor of Fine Arts (B.F.A.) Majors
Acting
Design/Technology
Musical Theatre
Musical Theatre with Dance Concentration

Bachelor of Music (B.MUS.)
Performance

Bachelor of Music Education (B.M.E.) Majors
Music Education

Bachelor of Science in Education (B.S.E.) Majors
Early Childhood Education
Middle Childhood Education
(Students planning to teach at the secondary level seek the B.A. or B.S. degree.)

Bachelor of Science in Nursing (B.S.N.) Majors
Nursing

Individualized Major (B.A. or B.S.)

To provide flexibility in college requirements for a student who has set a goal which does not fit within the present requirements of the department major-elective system, the opportunity to propose an individualized major is offered under the Bachelor of Arts or Bachelor of Science Degree. The student must have at least 75 quarter hours of work remaining toward the 180-quarter-hour degree requirement at the time of entry into the program. The program, which must receive the approval of the Curriculum Committee*, requires:

a. a clear statement of the objective to be reached by the program
b. a course-by-course, quarter-by-quarter schedule showing all courses in the major and the liberal arts core leading to the degree

c. a maximum of 75 quarter hours for the approved program, to be determined by the Curriculum Committee in consultation with the advisor. A copy of the approved program must be signed by the Curriculum Committee Chairperson and kept on file in the Registrar's Office
d. written recommendations from the faculty advisor and a knowledgeable faculty member from another department, indicating their approval of the plan and their assurance that the liberal arts emphasis of the College is maintained.
e. the names of two specialists from outside the Otterbein community who would be in a position to pass judgment on the program.

*Once the program is approved, any forthcoming substitutions and/or waivers must be approved by the Curriculum Committee.

Second Major

With careful planning, it may be possible to earn a second major during the same period the first major is being earned. The decision should be made early, and students are strongly encouraged to arrange for advising in both academic disciplines.

The Minor

Students may elect to complete a minor as well as a major when they are interested in pursuing coursework in a second field. A minor consists of 20 or more quarter hours of coursework in one field of study or in an interdisciplinary group of courses. A maximum of 10 quarter hours of independent study may be counted toward the minor. The minor requires at least five quarter hours in residence and a cumulative grade point average of at least 2.0.

Minors offered

Accounting
Art
Art History
Arts Administration
Black Studies
Broadcasting
Business Administration
Chemistry
Coaching
Computer Science
Dance
Economics
Earth Science
English
Environmental Studies
French
German
Health Education
History
* open to BA Music majors only
Individualized
Japanese
Journalism Publication and On-Line Design
Journalism Writing
Language and Culture of the Deaf Community
Legal Studies
Life Science
Mathematics
Music
Philosophy
Physical Education
Physics
Political Science
Public Relations
Psychology
Religion
Sociology
Sound Production*
Spanish
Speech Communication
Women's Studies

Individualized Minor

The individualized minor is designed to provide flexibiliy for students to pursue a secondary academic goal that does not fit within the structure of available minors. A student who proposes such an individualized minor must have at least 60 quarter hours of work remaining toward the 180-quarter-hour degree requirement at the time of entry into the program. The program, which must receive the approval of the Curriculum Committee,* requires:

a. a clear statement of the objective to be reached by the program
b. a course-by-course, quarter-by-quarter schedule leading to the minor and description of how courses meet the objective in part a.
c. a minimum of 30 quarter hours for the approved program, to be determined by the Curriculum Committee in consultation with the advisor. No more than 5 of the hours may be counted in another major or minor. A copy of the approved proram must be signed by the Curriculum Committee Chairperson and kept on file in the Registrar's Office.
d. written recommendations from the faculty advisor of record and a knowledge able faculty member from a department involved in the minor indicating their approval of the plan and their assurance that the liberal arts emphasis of the College is maintained.

*Once the program is approved, any forthcoming substitutions and/or waivers must be approved by the Curriculum Committee.

Summary of Degree Requirements

To graduate from Otterbein College, all students must complete the core of liberal arts requirements described below. In addition, all students must have a major and complete the requirements for that major program. While some majors' requirements are extensive, most leave room for electives, courses students choose out of interest and a desire to explore new disciplinary areas. Students often use part of this elective opportunity to complete a minor, and some students complete a second major. All students must earn a minimum of 180 credit hours to graduate.

Bachelor of Arts (B.A.) Degree Requirements

A candidate for the B.A. degree must complete the following:

- all requirements in the major
- the Integrative Studies program
- two levels of a foreign language (French, German, Japanese or Spanish 100 and 110 for all majors except Music; for Music, must complete 10 hours at 110 level or above)
- at least one mathematics course (Math 115, 116, 120 or 150)
- three HPES (101, 102 and 103) health and physical education lifestyle series courses unless exempt
- the Senior Year Experience
- at least 180 quarter hours (or 185 if MATH 090 was taken; or 190 if ASC 080 and MATH 090 were taken)

In addition, a candidate must:

- have a cumulative grade point average of at least 2.0 in the major as well as overall

- not complete more than 10 hours of independent study (390 course number) at the major level or 15 hours in all academic disciplines
- request an Application for Degree from the Office of the Registrar at least two quarters prior to the quarter in which the degree is to be completed

Bachelor of Science (B.S.) Degree Requirements

A candidate for the B.S. degree must complete the following:

- all requirements in the major
- the Integrative Studies program
- three levels of a foreign language (French, German, Japanese or Spanish 100, 110 and 120)
- three mathematics courses (Math 120 [or Math 115 and 116], 170 and 180)
- three HPES (101, 102 and 103) health and physical education lifestyle series courses unless exempt
- the Senior Year Experience
- at least 180 quarter hours (or 185 if MATH 090 was taken; or 190 if ASC 080 and MATH 090 were taken)

In addition, a candidate must:

- have a cumulative grade point average of at least 2.0 in the major as well as overall
- not complete more than 10 hours of independent study (390 course number) at the major level or 15 hours in all academic disciplines
- request an Application for Degree from the Office of the Registrar at least two quarters prior to the quarter in which the degree is to be completed

Bachelor of Fine Arts (B.F.A.) Degree Requirements

A candidate for the B.F.A. degree must complete the following:

- all requirements in the major
- the Integrative Studies program
- three HPES (101, 102 and 103) health and physical education lifestyle series courses unless exempt
- the Senior Year Experience
- at least 180 quarter hours

In addition, a candidate must:

- have a cumulative grade point average of at least 2.0 in the major as well as overall
- not complete more than 10 hours of independent study (390 course number) at the major level or 15 hours in all academic disciplines
- request an Application for Degree from the Office of the Registrar at least two quarters prior to the quarter in which the degree is to be completed

Bachelor of Music (B.MUS.) Degree Requirements

A candidate for the B.MUS. degree must complete the following:

- all requirements in the major
- Integrative Studies program
- two levels of a foreign language (French, German, Japanese or Spanish 110 or higher)

- three HPES (101, 102 and 103) health and physical education lifestyle series courses unless exempt
- the Senior Year Experience
- at least 180 quarter hours

In addition, a candidate must:

- have a cummulative grade point average of at least 2.0 in the major as well as overall
- not complete more than 10 hours of independent study (390 course number) at the major level or 15 hours in all academic disciplines
- request an Application for Degree from the Office of the Registrar at least 2 quarters prior to the quarter in which the degree is completed

Bachelor of Music Education (B.M.E.) Degree Requirements

A candidate for the B.M.E. degree must complete the following:

- all requirements in the major
- Integrative Studies program
- three HPES (101, 102 and 103) health and physical education lifestyle series courses unless exempt
- the Senior Year Experience
- at least 180 quarter hours (or 185 if MATH 090 was taken; or 190 if ASC 080 and MATH 090 were taken)

In addition, a candidate must:

- have a cumulative grade point average of at least 2.0 in the major as well as overall (to be certified to teach, must have 2.5 overall)
- not complete more than 10 hours of independent study (390 course number) at
  the major level or 15 hours in all academic disciplines
- request an Application for Degree from the Office of the Registrar at least two quarters prior to the quarter in which the degree is to be completed

Bachelor of Science in Education (B.S.E.) Degree Requirements

A candidate for the B.S.E. degree must complete the following:

- all requirements in the major
- the Integrative Studies program
- three HPES (101, 102 and 103) health and physical education lifestyle series courses unless exempt
- the Senior Year Experience
- at least 180 quarter hours (or 185 if MATH 090 was taken; or 190 if ASC 080 and MATH 090 were taken)

In addition, a candidate must:

- have a cumulative grade point average of at least 2.0 in the major as well as overall (to be certified to teach, must have 2.5 overall)
- not complete more than 10 hours of independent study (390 course number) at the major level or 15 hours in all academic disciplines
- request an Application for Degree from the Office of the Registrar at least two quarters prior to the quarter in which the degree is to be completed

Bachelor of Science in Nursing (B.S.N.) Degree Requirements

A candidate for B.S.N. degree must complete the following:

- all requirements in the major
- the Integrative Studies program
- three HPES (101, 102 and 103) health and physical education lifestyle series courses unless exempt
- the Senior Year Experience
- at least 180 quarter hours (or 185 if MATH 090 was taken; or 190 if ASC 080 and MATH 090 were taken)

In addition, a candidate must:

- have a cumulative grade point average of at least 2.0 in the major as well as overall
- earn a final grade of C or higher in all Nursing courses; Chemistry 110 and 220; Integrative Studies 130 and 100 or 105 or 110; and Life Science 108, 109, 206 and 312
- not complete more than 10 hours of independent study (390 course number) at the major level or 15 hours in all academic disciplines
- request an Application for Degree from the Office of the Registrar at least two quarters prior to the quarter in which the degree is to be completed.

Additional Requirements

Hours Needed to Graduate

Candidates for all Bachelor's degrees must complete at least 180 quarter hours. Students who have taken Math 090 must complete at least 185 quarter hours, and those who have taken ASC 080 and Math 090 must complete at least 190 quarter hours.

Some academic program choices require that a student must take more than the minimum 180/185/190 hours.

Any difference between the minimum hours needed to graduate (180/185/190) and the hours earned through the Core Curriculum plus the major may be met by choosing electives, earning a minor, etc.

Residence Requirement

To meet the residence requirements for a Bachelor's degree, a student must complete:

1. at least 15 quarter hours in the major at the 300/400 course level ***in an Otterbein classroom***
2. at least 5 quarter hours in the minor ***in an Otterbein classroom***
3. at least two Integrative Studies courses ***in an Otterbein classroom*** with at least one of these two courses at the 300/400 course level
4. at least 60 overall quarter hours ***in an Otterbein classroom;*** ASC 080 and MATH 090 cannot be used to fulfill this requirement
5. no more than 15 of the final 45 quarter hours at an institution other than Otterbein.

Interruption in Attendance/Catalog in Force

The degree requirements of the College in effect at the time of the student's first enrollment are those which must be met for completion of a degree program. Subsequent changes in degree requirements may be substituted with the approval of the department chairperson or Academic Council, whichever is appropriate.

Students who interrupt their enrollment at Otterbein College or in an Otterbein College approved program for longer than 12 consecutive months must meet the requirements for graduation as published in the catalog at the time of re-enrollment.

In some instances, changes in departmental requirements must be applied to students who have already enrolled. In such instances, the new requirements will apply in a manner that will not require a student to carry more than a full-time load otherwise not required in any quarter and will not prolong the time required to complete the degree requirements. Department chairpersons have the authority to waive or provide substitute course work for departmental requirements.

Applying For a Degree

Degrees are granted at the end of Summer, Autumn, Winter and Spring terms. Students planning to graduate must request an Application for Degree at the Office of the Registrar two quarters prior to the quarter in which the degree is to be completed. It is the student's responsibility to be aware of this requirement, to initiate the request and to sign/return the application on time.

Adding to a Degree Already Awarded

Once an Otterbein Bachelor's degree has already been awarded, students are not permitted to alter or enhance the transcript record at a later date by adding another major, a minor, repeating courses to improve the G.P.A., etc. Students may, however, earn a second Otterbein Bachelor's degree as described elsewhere in this section of the catalog.

Earning a Second Bachelor's Degree

(all programs <u>except</u> PACE Liberal Studies Programs)

To earn a second Bachelor's degree after the first has already been conferred, a student must complete:

1. a minimum of 45 quarter hours **in residence** at Otterbein; CLEP, PEP, credit by other means of examination, proficiency tests, etc. may not be used to fulfill this requirement
2. all requirements in the major; at least 15 quarter hours at the 300/400 level must be completed **in residence**
3. two Integrative Studies courses one of which must be at the 300/400 level **in residence**; this is applicable only to students who did not earn the first degree at Otterbein; those who did are exempt from this requirement
4. all other degree requirements as published in the catalog in effect at the time of enrollment (foreign language, mathematics, Senior Year Experience, etc.)

If fewer than 45 quarter hours are needed to complete the major and other degree requirements, the remaining hours needed to reach 45 may consist of elective credit.

Earning a Second Bachelor's Degree
(PACE Liberal Studies Programs)

To earn a second Bachelor's degree after the first has already been conferred, a student must complete:

1. a minimum of 45 quarter hours **in residence** at Otterbein; CLEP, PEP, credit by other means of examination, proficiency tests, etc. may not be used to fulfill this requirement
2. all requirements in the major; at least 30 quarter hours in the major (including 15 at the 300/400 level) must be completed **in residence**
3. two Integrative Studies courses from the Liberal Studies core **in residence**
4. foreign language 100 and 110 in transfer or in residence; or, language and culture 105 **in residence**
5. COMM 361 **in residence**
6. MATH 115 and 230 in transfer or in residence
7. Senior Year Experience **in residence**

If fewer than 45 quarter hours are needed to complete the major and other degree requirements, the remaining hours needed to reach 45 may consist of elective credit.

Honors and Recognition

Dean's List

To be included on the Dean's List, a student must complete at least 12 quarter hours in that term with a grade point average of at least 3.6. There is also an Annual Dean's List which is published at the end of the Spring term grading period. Inclusion on the Annual Dean's List requires a student to be on the Dean's List for the Autumn, Winter, and Spring terms of the academic year just completed, or to complete at least 45 quarter hours in the academic year with a grade point average of at least 3.6. The Dean's List is compiled by the Office of Academic Affairs.

The Honors Program

The Honors Program at Otterbein College is designed to provide intellectual stimulation and challenge for students with high academic ability. Students selected to participate in the program will have the privilege of attending courses each year that are designated for honors students only. The remainder of their curriculum will consist of courses selected from those available to all students. In this way the College hopes to promote a wide spectrum of experience while providing intellectual stimulation for gifted students.

While the primary benefit of participation in The Honors Program is the ability to enroll in advanced courses with other honors students and the preparation that these courses provide for intensive senior-level independent study, students in the program are also eligible for special housing as upperclassmen and the Honors Program sponsors special programming and activities for honors students.

Enrollment in the program is by invitation. All incoming students who have been designated Presidential Scholars or who are ranked in the top ten percent of their high school class and have a composite ACT score of 25 or greater (or SAT scores

The program consists of four courses. In the freshman year, students must select INST 105 (Growing Up In America). In the sophomore year, an honors section of INST 270 (Composition and Literature) must be selected. In the junior year, students will enroll in a research seminar designed to introduce them more completely to the nature of research and evidence in their academic disciplines. Finally, in the senior year, students will participate in independent study and will write a Senior Honors Thesis. Students with transfer or AP credit may be excused from one of the lower level Honors courses. All students who wish to graduate from the Honors Program must take the Junior and Senior level courses.

Participation in The Honors Program will be recognized in two ways. Honors courses will be noted on College transcripts so that potential employers or graduate school admission committees will recognize that level of work completed. Those completing The Honors Program will graduate with "With Honors," a fact that will be noted on the diploma.

The Honors Program is coordinated by Dr. Cynthia Laurie-Rose of the Psychology Department.

The Distinction Program

The Distinction Program has a long and useful tradition at Otterbein College. The program involves the design and participation in an independent project within the student's major field of study. The project is carried out in consultation with an advisory committee consisting of a primary project advisor, another member of the faculty chosen by the student in consultation with the advisor, and one member of the faculty appointed by the Distinction Committee.

An independent program of study offers the student an opportunity for personal growth within a chosen field of expertise that far exceeds that available in the classroom. A student in the program will perform independent scholarly activity as defined by the discipline. Students work closely with an advisor, an advisory committee, and prepare a written thesis. This is a collaborative effort that mimics the pursuit of an advanced degree and demonstrates the shared responsibility for learning that is so much a part of a liberal arts tradition.

To be eligible for the Distinction Program, a student must have completed 90 hours of study with a grade point average of 3.0 or above. All potential candidates are notified by the Chair of the Distinction Committee during winter quarter of the junior year. To enter the program the student chooses a faculty member to act as advisor for work in distinction, prepares a proposal, and attaches the proposal to a petition for work in distinction. The distinction project is completed during the senior year.

Persons who complete the program to the satisfaction of their advisory committee will graduate "With Distinction." These students will receive up to five hours of Independent Study with the grade of A and the words "With Distinction" will be included on the diploma and commencement program.

Interested students should contact program coordinator Dr. Michael Hoggarth at the Department of Life and Earth Sciences.

Graduation With Honors (Latin; The Honors Program; Distinction; Departmental)

Undergraduates may receive honors recognition at graduation based upon overall grade point average (Latin Honors) or participation in The Honors Program or participation in The Distinction Program or grade point average in the major.

For Latin honors, a student must have achieved the following final grade point average:

3.60 for Cum Laude
3.80 for Magna Cum Laude
3.95 for Summa Cum Laude

Latin Honors will be recorded on the permanent transcript record and on the diploma. It will be noted in the commencement program and announced as the recipient is presented the diploma.

For Honors Program recognition, a student must have completed the requirements of the honors program. Honors Program Honors will be recorded on the permanent transcript record and on the diploma. It will be noted in the commencement program and announced as the recipient is presented the diploma. A medal is worn at commencement.

To graduate With Distinction, a student must satisfactorily complete an approved program of independent study and research, submit a thesis and pass oral and written examinations on the field studied. With Distinction Honors will be recorded on the permanent transcript record and on the diploma. It will be noted in the commencement program and announced as the recipient is presented the diploma. A medal is worn at commencement.

For Departmental Honors, a student must have achieved a 3.70 grade point average for all courses in the major by the end of Winter Quarter. Students who are seeking a second Bachelor's degree (first one already awarded) are not eligible for Departmental Honors. Departmental Honors will be noted in the commencement program. A pin is worn at commencement.

Program and Course Descriptions

Course Prefix Translations

Course Prefix	Prefix Translation	Home Department	Page #
ACCT	Accounting	Business, Accounting and Economics	54
ART	Art	Art	46
ASC	Academic Support	Academic Support Center	43
ASL	American Sign Language	American Sign Language	44
BADM	Business Administration	Business, Accounting and Economics	54
C SC	Computer Science	Mathematical Sciences	191
CHEM	Chemistry	Chemistry	67
COMM	Communication	Communication	75
DANC	Dance	Theatre and Dance	272
E SC	Earth Science	Life and Earth Sciences	176
ECON	Economics	Business, Accounting and Economics	54
EDUC	Education	Education	89
EFL	English as a Foreign Language	Foreign Languages	124
ENGL	English	English	103
ENST	Environmental Studies	Environmental Studies	112
EQSC	Equine Science	Equine Science	114
ESL	English as a Second Language	Foreign Languages	124
FREN	French	Foreign Languages	124
FSO	Foreign Student Orientation	Foreign Languages	124
GERM	German	Foreign Languages	124
HIST	History	History and Political Science	160
HLED	Health Education	Health and Physical Education	134
HPES	Health and Physical Education	Health and Physical Education	134
HUM	Humanities	Humanities	174
INST	Integrative Studies	Integrative Studies	29
JAPN	Japanese	Foreign Languages	124
JOUR	Journalism	Communication	75
L SC	Life Science	Life and Earth Sciences	176
MASC	Actuarial Science	Mathematical Sciences	191
MATH	Mathematics	Mathematical Sciences	191
MCOM	Mass Communication	Communication	75
MUSC	Music	Music	206
NURS	Nursing	Nursing	221
P SC	Political Science	History and Political Science	160
PHED	Physical Education	Health and Physical Education	134
PHIL	Philosophy	Religion and Philosophy	254
PHYS	Physics	Physics and Astronomy	242
PSYC	Psychology	Psychology	248
RELG	Religion	Religion and Philosophy	254
SLD	Student Learning and Develop.	Student Affairs	271
SOCL	Sociology	Sociology	265
SPAN	Spanish	Foreign Languages	124
SYE	Senior Year Experience	Senior Year Experience	39
THR	Theatre	Theatre and Dance	272
WOST	Women's Studies	Women's Studies	286

INTEGRATIVE STUDIES

Barkhymer (chairperson), and members of other departments.

The Integrative Studies Program explores the complexities of **human nature** throughout the student's years of study at Otterbein. In doing so, the program builds self-knowledge as well as knowledge of the diversity of cultures, traditions, and points of view in the world. At each level in the program, the frame within which individuals see themselves widens and becomes both more complex and more inclusive. As a result, students going through the Integrative Studies Program gain a broad, general knowledge of the world in which they live. The Program, because of its multidisciplinary nature, may enrich student's graduate study or careers. It also provides Otterbein graduates with the basis for lifelong learning, which in turn may help them adjust to change and complexity, learn new fields, and shift careers. Most important, however, the Integrative Studies Program prepares graduates to become informed citizens in a democracy and to live their lives in family, community, country, and world.

The Integrative Studies Program will help you to:

1. Understand **human nature** and the many facets of our being more fully.
2. Think critically and creatively.
3. Communicate your thoughts accurately and effectively in writing and speaking.
4. Develop competencies in a broad range of disciplines in the liberal arts and sciences.
5. Make integrative connections across disciplines, helping you to engage complex problems with interdisciplinary knowledge.
6. Identify your beliefs and extend your knowledge of ethical and spiritual issues to create a broader understanding and tolerance.
7. Know how to access and evaluate information, resources, and technology and apply them in the appropriate context.

To reach the above goals, students take a core of 50 quarter hours, met through 10 requirements, from the list of Integrative Studies courses below. At some points in the program, all students take the same required course; at other points, students choose from among several options. Courses in the program explore the theme of **human nature** from a variety of disciplinary perspectives, ask students to think critically and to use oral and written communication skills, and encourage students to integrate classroom learning with learning from experience, discussion, performances, lectures, films, and/or service work. The requirements are designed to be taken in a sequence: freshmen take three courses at the 100 level, sophomores take two courses at the 200 level, and juniors generally take three courses and seniors two courses at the 300 and 400 level. **Students must take the freshman and sophomore level requirements before enrolling in the junior and senior level requirements.** Each requirement builds on the one before it, and as students move through the sequence of ten courses, they are encouraged to make connections between and among their Integrative Studies

courses, to connect their Integrative Studies courses to their majors courses, and to see the interconnectedness of all knowledge.

Thus, students and advisers must plan schedules carefully, working to coordinate the developmental sequences of both Integrative Studies and the major. Some flexibility is added through the Integrative Studies Policy on Substitutions described in this section.

Freshman Requirements

Required/Choose one (writing):

- ❑ INST 100 Freshman Seminar
- ❑ INST 105 Growing Up in America
- ❑ INST 110 Composition and Literature: The Individual and Society

Required/Choose one (social sciences):

- ❑ INST 130 Psychology and Human Nature
- ❑ INST 160 World Geography and Human Society
- ❑ INST 170 Inequality in Contemporary American Society
- ❑ INST 180 Encountering Cultural Systems

Required (social sciences):

- ❑ INST 150 Issues in Western Experience

Sophomore Requirements

Optional (natural science); this course plus 1 upper level INST natural science course fulfills the INST Natural Sciences requirement:

- ❑ INST 240 Scientific Thinking And Doing, An Interdisciplinary Approach,

Required/Choose one (religion and philosophy):

- ❑ INST 250 Philosophy and Human Nature
- ❑ INST 260 Human Nature in the Christian Tradition

Required (writing):

- ❑ INST 270 Composition and Literature: Relationships and Dialogues

Students must take freshman and sophomore level requirements before enrolling in junior and senior level requirements.

Junior and Senior Requirements

Required (writing):

- ❑ INST 300 Composition and Literature: the Dilemma of Existence

Required/Choose one (fine arts):

- ❑ INST 310 Art Forms: Images and Ideas
- ❑ INST 320 Music and Human Nature
- ❑ INST 330 Theatre and Human Nature

Required/Choose two (choose one if take INST 240 — natural sciences):

- ❑ INST 340 Chemistry Affects Our Lives
- ❑ INST 350 Biological Science: Being in Nature
- ❑ INST 360 Energy, Science, and Society
- ❑ INST 400 Earth Science and Humankind
- ❑ INST 410 Our Place in the Universe

Required/Choose one (global perspectives):

- ❑ INST 380 Human Nature in World Religions and Philosophies
- ❑ INST 381 Aspects of World Music
- ❑ INST 382 African Cultures and Colonialism
- ❑ INST 383 Modern Indian Culture and Literatures
- ❑ INST 384 Approaching Japan Through Its Arts

Policy on Waivers

One INST course may be waived for participation in an approved off-campus study program (not an internship and not in summer) for a quarter or a semester, and two INST courses may be waived for full-academic-year participation. In addition to any waived courses, courses in approved off-campus study programs may be used as substitutes for INST courses according to the Policy on Substitutions below. Please see the INST Department Chairperson for approval. Regardless of the number of quarters spent in off-campus study, *only one of the composition and literature courses may be waived or substituted and only one of the two required natural sciences may be waived.*

Policy on Substitutions

Of the ten required Integrative Studies courses, up to ***three*** may be completed with substitutions from other academic areas. The conditions under which substitutions may be made are:

1. Substitutions are restricted to those that appear on the approved list below.
2. Courses on the approved list that were transferred from other institutions ***do not*** count as part of the three substitutions permitted.
3. A substitution may be made for ***either*** INST 270 or INST 300, ***but not both***. (There are no approved substitutions for INST 100/105/110.)
4. A substitution may be made for ***one*** of the two required INST natural science courses (INST 340/350/360/400/410), ***but not both***. There currently is no approved substitution for INST 410.
5. Substitute courses taken in an off-campus study program must be approved by the chairperson of the Integrative Studies Department.
6. To register for a substitution, select the section with the # sign (example: RELG 100-#1).

Transfer students need to keep in mind that the INST residency requirement must be fulfilled as well ***(see p. 23).***

INST Course/Approved Substitution

INST 130..... PSYC 100
INST 150..... HIST 200, HIST 210 or HIST 220
INST 170..... SOCL 260
INST 180..... Philadelphia Center, SOCL 190 or SOCL 260
INST 250..... PHIL 100, PHIL 200, or PHIL 210
INST 260 ..... PHIL 260, RELG 140, RELG 150, RELG 210, RELG 220, RELG 230, RELG 300 or RELG 310
INST 270..... ENGL 230, ENGL 231, ENGL 232, or ENGL 233
INST 300..... ENGL 350

INST 310..... *ART 220, *ART 230 or *ART 240 **(see note below)**
INST 320..... **MUSC 335 or **MUSC 338 **(see note below)**
INST 330..... ***THR 351, 352, 353 **(see note below)**
INST 340..... CHEM 220
INST 350..... ENST 101, L SC 225
INST 360..... PHYS 210
INST 380..... RELG 100, RELG 270, RELG 290, RELG 340, RELG 350 or RELG 360
INST 400..... E SC 201, E SC 202, E SC 205 or E SC 302

*Art majors must take INST 320, INST 330 or their substitutes — **not** ART 220/230/240

Music majors must take INST 310, INST 330 or their substitute — **not MUSC 335/338.

***Theatre majors must take INST 310, INST 320 or their substitutes — **not** THR 351/352/353.

Integrative Studies Courses (INST)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

FRESHMAN REQUIREMENTS

Writing — Required/Choose one; 5 hrs

Each option meets the freshman writing requirement and aims to develop skills needed in an academic community: to see an issue from more than one viewpoint, to support conclusions with evidence from texts, and to write expository prose. Composition includes personal responses and thesis papers. *Honors students must register for an Honors Section of INST 100, 105, or 110.*

***INST* 100 FRESHMAN SEMINAR** **5 hrs**

Each seminar uses the approach of one or more disciplines to explore a different topic related to the theme of human nature. Topics in the past have included Food for Thought, Twenty-First Century Sounds, Death and Dying, Consumerism in America and Art, and the Arts Alive and Well.

***INST* 105 GROWING UP IN AMERICA** **5 hrs**

This course examines the ways historical and social developments of the twentieth and twenty-first centuries have shaped our lives. Readings are drawn from history, literature, sociology and other disciplines. Films, lectures, music and art supplement the readings.

***INST* 110 COMPOSITION AND LITERATURE: THE INDIVIDUAL AND SOCIETY** **5 hrs**

This course examines the relationship between individuals and their societies through the lenses of literature. Readings include short stories, novels, poetry, plays and cre-

ative nonfiction. The readings develop themes such as growing up, women and men, money and work, peace and war, and varieities of protest. Thematic selections are chosen primarily from recent American and British literature, including works from a variety of contemporary ethnic traditions.

Social Sciences — Required; 5 hrs

***INST* 150 ISSUES IN THE WESTERN EXPERIENCE** **5 hrs**
A study of how the past shapes the issues confronting individuals and societies today. Explores ideas and institutions of past and present Western societies in the context of cultural traditions and values, political systems, economic conditions, and social structures. Students learn to explore the interactions between past, present, and future as they examine major themes such as justice and freedom, faith and reason, war and nationalism.

Social Sciences — Required/Choose one; 5 hrs

The social sciences requirement explores the methods and theories of psychology, sociology, anthropology, and political science to study human beings. Each option teaches students how to ask (and sometimes answer) important questions about human nature, encourages students to value the diversity of human beings and societies in the world, uses an historical approach, and emphasizes how the social sciences apply to individuals and society.

***INST* 130 PSYCHOLOGY AND HUMAN NATURE** **5 hrs**
A study of the human being from a range of psychological perspectives. Acquaints students with the philosophies, theories, methods, and major findings of psychology and encourages students to explore the relationships between psychology and other disciplines. Small-group discussions allow for elaboration of classroom material. *Required for teacher licensure and Nursing majors.*

***INST* 160 WORLD GEOGRAPHY AND HUMAN SOCIETY** **5 hrs**
A study of the relationship between *where* people live and the *way* they live. Topics, drawn from historical, economic, cultural, medical, and political geography, include the geography of economic development, world population patterns, changing natural environments, and the geography of politics. Students learn to use maps as tools for comprehending the world.

***INST* 170 INEQUALITY IN CONTEMPORARY AMERICAN SOCIETY** **5 hrs**
A study of the influence identity, power, and change have on everyday life in contemporary America, with emphasis on social hierarchies based on race, class and gender. Students observe their social environment through the use of tools, concepts, and perspectives of sociology. Focuses on how social inequalities affect people, how individuals cope with social inequality, and how they attempt to improve their place in society.

***INST* 180 ENCOUNTERING CULTURAL SYSTEMS** **5 hrs**
A study of human beings within cultures and the tools for studying cultures other than our own, both Western and non-Western. Provides students with a perspective from which to understand both their own and other cultures and a basis for examining crucial human concerns. Brings together political science and economics in the context of sociology and cultural anthropology.

SOPHOMORE REQUIREMENTS

Natural Sciences — Optional; 5 hrs
This course plus 1 upper level INST Natural Science course fulfills the INST Natural Sciences requirement.

INST* 240 SCIENTIFIC THINKING AND DOING, AN INTERDISCIPLINARY APPROACH, *TOPICS TO BE ANNOUNCED **5 hrs**
For sophomore students: An interdisciplinary introduction to scientific thought and practice. Topics vary among sections but share the common themes of the scientific method, "hands-on" inquiry based laboratory experiences, and critical thinking. The course is team-taught emphasizes how various scientific disciplines contribute to the solution of scientific questions, especially the question of human nature. In combination with the upper level INST science courses which emphasize societal and ethical aspects of science, the science INST requirement seeks to promote scientific literacy. Students who take this course will only need one upper level I S Science. *Prerequisite: Sophomore standing or permission of instructors.*

Religion/Philosophy — Required/Choose one; 5 hrs

This requirement focuses on human nature from the perspectives of the Christian faith and of several western philosophical traditions. Each option aims to acquaint students with the Hellenistic, Hebrew, and Christian heritages of western culture, to encourage students to be historically informed, to promote self-understanding in relation to one's own tradition and culture, and to sharpen skills in reading for comprehension, critical thinking, and oral and written communication.

***INST* 250 PHILOSOPHY AND HUMAN NATURE** **5 hrs**
An examination of the philosophical problems arising from the attempt to understand human nature, such as: free will and the possibility of determinism; the nature of the self and survival after death; the nature of justice; the nature and foundations of morality; the nature of the good life; and the implications of the existence of (and of various conceptions of) God. Course requirements include a writing component.

***INST* 260 HUMAN NATURE IN THE CHRISTIAN TRADITION** **5 hrs**
An examination of the human condition from the perspectives of the Christian tradition, including the Hellenistic and Hebraic backgrounds of the Pauline-Augustinian doctrinal mainstream and interpretations growing from that theological mainstream. Uses the perspective of biblical theology to study themes such as creation and hu-

man origin, image of God, sin, the problem of evil and suffering, freedom of the will, salvation, community, sexuality, death and immortality. Course requirements include a writing component.

Writing — Required; 5 hrs

***INST* 270 COMPOSITION AND LITERATURE: RELATIONSHIPS AND DIALOGUES** **5 hrs**

The intermediate course in the writing sequence; stylistically and thematically complex readings present views of relationships, love and romance, marriage and partnerships in literary and other texts from classical times to the present, including works from a variety of cultures. Composition builds on the expository skills developed in freshman courses and emphasizes analysis and comparison/contrast. *Prereq: credit for INST 100 or 105 or 110. Honors students must register for an Honors section.*

Social Science — Required for PACE majors where indicated; 5 hrs

***INST* 290 ECONOMICS AND SOCIETY** **5 hrs**

The course examines the fundamental principles of both micro- and macro-economics in the context of their effects on individuals and societies. Topics covered include: scarcity and opportunity cost, demand and supply, elasticity, market structures and market failures, national income determination, inflation, unemployment, fiscal and monetary policies, and international economics. The course uses the principles of economics to explore human and social themes such as poverty, income distribution, economic discrimination, crime, education, and environmental degradation. *Open only to Continuing Studies students pursuing one of the B.A. degrees in Liberal Studies. Does not fulfill any I.S. requirement for other students.*

JUNIOR AND SENIOR REQUIREMENTS

Please Note: ***Students must take the freshman and sophomore level requirements before enrolling in the junior and senior level requirements.***

Writing — Required; 5 hrs

***INST* 300 COMPOSITION AND LITERATURE: THE DILEMMA OF EXISTENCE** **5 hrs**

The culminating course in the writing sequence; longer and more advanced readings respond to the great concerns of human existence: good and evil, justice and injustice, community and alienation, life and death. The course focuses on authors central to the European tradition such as Sophocles, Dante and Shakespeare. However, readings also include contemporary writers and writers outside of the European tradition. Composition builds on skills developed in the freshman and sophomore courses and emphasizes synthesis. *Prereq: credit for INST 270 and 90 quarter hours completed.*

Fine Arts — Required/Choose one; 5 hrs

This requirement aims to present students with the nonverbal means which human beings have used to express their needs, desires, perceptions, and values. Each option explores the nature of a particular art form, its historical role in society, its connections to the other arts, and its insights about human nature. Special attention is also paid to the nature of artistic creativity.

***INST* 310 ART FORMS: IMAGES AND IDEAS** **5 hrs**

An examination of how the processes and products of the visual arts embody human nature. Students will consider the nature of artistic creativity and the role of the artist in society, view significant visual art objects, and learn about artistic production through the perspective of history. Although the course emphasizes the development of Western art, students will also view works reflecting the rich heritage of art throughout the world. *Art majors must register for INST 320, INST 330, or an INST 320 or 330 approved substitute.*

***INST* 320 MUSIC AND HUMAN NATURE** **5 hrs**

An introduction to the Western European concert music tradition from the listener's viewpoint, emphasizing music's relation to the human being and society. Students learn the vocabulary for discussing the basic elements of music, practice listening skills, and use an historical approach to become familiar with principal stylistic eras. Course requires attendance at music events outside the classroom. *Music majors must register for INST 310, INST 330, or an INST 310 or 330 approved substitute.*

***INST* 330 THEATRE AND HUMAN NATURE** **5 hrs**

An introduction to the process of creating theatre. Students study dramatic literature, history, criticism, and the process of production to learn how to make critical judgments about current plays, films, and television shows. Course requires attendance at theatre events outside the classroom. *Theatre and musical theatre majors must register for INST 310 or INST 320 or an INST 310 or 320 approved substitute.*

Natural Sciences — Required/Choose two (choose one if take INST 240); 10 hrs

This requirement focuses on developing an understanding of human nature from a scientific perspective and on promoting scientific literacy. Scientific literacy consists of: a familiarity with the scientific method; an understanding of science as a way of knowing the world; an appreciation of the breadth of scientific inquiry; an awareness of how science affects contemporary life; the exploration of connections between the sciences and other disciplines; and the ability to think critically and quantitatively. Each option seeks to discourage anti-science attitudes, to decrease science anxiety, and to promote stewardship of the Earth.

***INST* 340 CHEMISTRY AFFECTS OUR LIVES** **5 hrs**
Studies of the benefits and risks of chemical processes. Focuses on the society/science interface from perspectives of the economy, physical health, ethics, and culture. Discussion groups allow for elaboration of classroom material.

***INST* 350 BIOLOGICAL SCIENCE: BEING IN NATURE** **5 hrs**
A presentation and discussion of some economic, health, ethical and cultural concerns from the viewpoint of life science. Uses the study of the biological human, the place of humans in the ecosystem, and the effect of changing environments (e.g. rural to urban) on human beings to explore the theme of being in nature. Students must complete several laboratory and field experiments.

***INST* 360 ENERGY, SCIENCE AND SOCIETY** **5 hrs**
A study of the role of energy in our lives. Discussion of the physics of energy precedes a look at its uses, consequences for humanity, and the impact on resulting energy and environmental policies. Course requirements include a writing component.

***INST* 400 EARTH SCIENCE AND HUMANKIND** **5 hrs**
A study of the impact of earth science upon human life, and of human life upon the physical Earth, including volcanoes, earthquakes, water and energy resources, pollution, deforestation, and global change such as global warming. Students use essays, debates, and discussion groups to practice written and oral communication skills.

***INST* 410 OUR PLACE IN THE UNIVERSE** **5 hrs**
A study of the evolving human understanding of the universe and our place in it through the study of astronomy. Places the explorations of modern astronomy in the historical context. Students participate in several observational and experimental activities. Course requirements include a writing component.

Global Perspectives — Required/Choose one; 5 hrs

This requirement focuses on human nature from a variety of global perspectives and academic disciplines. Each option aims to broaden student's awareness of and appreciation for different ways human beings understand themselves and the purpose of life, as well as different cultural beliefs and practices. The options encourage students to make connections across disciplines and to continue to shape their own beliefs and values in light of other cultural points of view. These courses focus on cultures originally outside of European traditions and may include an emphasis on their interaction with those traditions.

***INST* 380 HUMAN NATURE IN WORLD RELIGIONS AND PHILOSOPHIES** **5 hrs**
An examination of human nature from the viewpoint of several Asian religions and philosophies. Designed as a complementary sequel to INST 250 or INST 260, the course deals with basic questions about the purpose and meaning of life and the nature of the Ultimate or God. Topics include views of reality, definitions of human nature, the nature of right and wrong, the causes of evil and suffering, paths of salvation, and

the interdependence of religion and culture. Course requirements include a writing component.

***INST* 381 ASPECTS OF WORLD MUSIC** **5 hrs**
A view of human nature through the lens of the world's music. Connections between music and society in cultures chosen from the following—Native America, Africa, Black America, Eastern Europe, the Indian Subcontinent, Japan, Indonesia, and South America—will be studied outside the context of the Western European concert music tradition. Students develop a vocabulary for describing each culture's music and a set of approaches for studying music in a sociocultural context. Course requirements include a written project and attendance at music events outside the classroom.

***INST* 382 AFRICAN CULTURES AND COLONIALISM** **5 hrs**
A study of African cultures, with emphasis on selected geographic areas and ethnic groups. Focuses on cultural encounters, their effects, and the relationship of culture to human nature by examining precolonial African civilization, the world view of colonizers, the impact of Western colonialism on Africa, and the African recovery of independence. Exploration of several perspectives is encouraged through the use of several disciplines (chosen from among history, literature, religion, political science, sociology, economics, and the arts). Course requirements include a writing component and a final project that requires synthesis.

***INST* 383 MODERN INDIAN CULTURE AND LITERATURES** **5 hrs**
This course uses literature as a major, though not the sole means, to introduce students to modern India after its independence in 1947. The course is interdisciplinary in approach. Literary readings are put in context by using two other focal points, India's religions such as Hinduism, Islam and Buddhism, and its experience of colonization by the British to understand its varied and complex present-day culture but also to compare it to their own. It seeks to show students how such a comparative exploration can help one gain a deeper understanding of one's own culture and individuality as well as better understand human nature.

***INST* 384 APPROACHING JAPAN THROUGH ITS ARTS** **5 hrs**
This team-taught course begins with the premise that Japan is a nation whose post-modern, high-tech exterior clothes a deeply traditional civilization, divergent in some ways from Euro-American experience and values. Students will approach Japan by encountering the visual arts, music, literature, cinema, language, and athletic traditions. They will seek an understanding of common themes, motives, and forms that indicate in Japanese perceptions of the world and of human nature. Course requirements include a final written project and attendance at events outside the class meeting time.

Internship — Optional

***INST* 490 INTERNSHIP** **1-15 hrs**
Internship associated with the Integrative Studies Symposium designed by the intern and the Symposium chairperson through a learning contract process. *Registration must be approved by the chairperson of the Integrative Studies Program.*

SENIOR YEAR EXPERIENCE

Shively (program director), members of other college departments, and selected individuals from the wider community

The Senior Year Experience Program asks seniors to experience the complexities of **citizenship** by analyzing contemporary social issues facing the society beyond Otterbein. Bringing both their disciplinary expertise and their general knowledge of human nature to the table, seniors create a lively interdisciplinary learning experience with other students and faculty. In SYE, students struggle with an actual issue confronting the nation or the world (not just take notes), discuss and engage with a topic (not just sit back), and learn from their peers (not just their professors). Designed for seniors, SYE asks them to shift their framework: from depth to breadth, from student to citizen, from security to transition. SYE is *not* designed as a capstone for Integrative Studies; SYE is *not* designed as a specialized look at a particular discipline; SYE is *not* designed as a how-to course for getting a job. Rather, SYE adds value to or "tops off" the entire Otterbein education. It's a space in the curriculum that allows students to think about and *use* the college education they've spent so much time and effort acquiring.

SYE courses can be seen as an end point, a place to reflect on all that's gone before, a time to gain some closure. But they can also be seen as a springboard, a place to practice what's coming next, a bridge to the future. Students walking into their SYE need to be willing to:

- actively confront a problem, engage in an issue, work to gain knowledge, wrestle with ethical choices, and come up with individual and group positions, answers, or solutions;
- think of themselves as experts in their disciplines and share their expertise with those outside those disciplines;
- grapple with uncertainty, the nature of transition, and the process of decision-making;
- think of themselves as educated persons, professionals, and citizens with responsibilities and impact; and
- think about their education as a whole: how it adds up, how it all relates, how it can be used to live life.

Students can meet their SYE requirement through 1) team-taught 5-credit hour interdisciplinary SYE courses; 2) departmental offerings that include SYE components and have been approved by the SYE Committee; or 3) SYE offerings tied to off-campus, immersion, internship, or individualized experiences. Because the options meeting this requirement vary from year to year, they are listed annually in registration materials available in the Registrar's Office, and on CardinalWeb for Students. Because effort is made each year to offer SYEs across a range of interests and learning types, seniors should familiarize themselves with all SYE materials and meet with their advisor before carefully choosing and registering for their SYE. *Students must have completed 135 credit hours and seven of ten Integrative Studies courses before taking the SYE requirement. Some options may have additional prerequisites; check individual course descriptions. The SYE requirement must be taken in residence.*

Students in all SYE options can expect to work toward the following goals:

1) analyze and engage with complex *contemporary issues*, issues for which the liberal arts graduate is expected, by society, to provide leadership;
2) practice the *skills of synthesis* by drawing from multiple disciplinary bases and by developing a "big picture" from diverse perspectives;
3) use *interdisciplinary materials and methods* and begin to recognize the strengths and limits of their own and other disciplines;
4) practice *active self-reflection*, giving conscious attention to *ethics, personal values, and citizenship,* including their roles and responsibilities as educated persons, professionals, and citizens;
5) practice the *integration of learning*, bringing together what has been learned in core courses and in major and elective courses to confront a contemporary issue;
6) engage in social and intellectual *interaction with the wider community beyond Otterbein*; and
7) reflect on *liberal arts education, its purpose, and its uses.*

Senior Year Experience Courses (SYE)

New team-taught interdisciplinary courses are being created and developed all the time, so specific SYE course offerings vary from year to year. Courses have included:

Engaging Cultures: Words and Worlds
Toward Peace with Justice: Living and Leading in Community (service-learning option)
Free Choices? Making Choices in a Free Enterprise Society
1900-Vienna-2000 (with travel to Vienna)
Media and the Law
Naked, Communist, and Sober: The Search for Utopia
The Face of AIDS
Inventing the Self and the Future
Global Citizenship
September 11th and After

The following SYE options are offered regularly:

***SYE* 475.10 and 475.20 OFF-CAMPUS STUDY** **1 hr each**

Students who participate in an approved Off-Campus Study program may enroll in two sequential SYE 475 courses in order to meet the SYE requirement for graduation. *Specific requirements and guidelines are available from the Director of International Student Programs, Hanby Hall 121.*

475.10 OFF-CAMPUS STUDY– PREPARATION **1 hr**

Students will enroll in this section the same quarter they study off campus. Before leaving campus, students will locate a member of the faculty willing to serve as a mentor for their project. Students will prepare and submit a proposal describing a complex contemporary issue they wish to study, along with a working bibliography, to the SYE off-campus committee. Preliminary reading of items

on the bibliography and personal interviews with knowledgeable people are part of the preparation for the SYE Off-Campus Study. During and after the off-campus study experience, students will continue the reading, research, and interviews. Students will keep a journal while off campus and compile a research folder to submit to their faculty mentor upon return to campus. The mentor will issue a pass/fail grade before the students can proceed to SYE 475.20. *Prereq: Junior or Senior standing. Coreq: study off campus during the junior year, the summer before the senior year, or the first quarter of the senior year.*

475.20 OFF-CAMPUS STUDY – PROJECT **1 hr**

Submission of a personal research essay based on the information acquired during SYE 475.10 and a public presentation of the project to the SYE Committee will complete the SYE requirement. The SYE off-campus committee for each student will issue a grade for the project based on the quality of the personal research essay and the public presentation, both of which must be completed before the end of the ninth week of the quarter before the quarter the student intends to graduate. *Prereq: A pass grade in 475.10 and senior standing, together with an approved off-campus study program taken during the junior year, the summer before the senior year, or the first quarter of the senior year.*

***SYE* 490 MANAGING TRANSITIONS TO THE FUTURE: THE SYE INTERNSHIP SEMINAR** **2 hrs**

This interdisciplinary course, which meets for 90 minutes weekly, is designed to accompany a senior-level, 10- to 15-credit hour internship in the student's home department. The course focuses on the transitions to life after college, examining strategies for success in both work and life outside the organization. Topics for discussion include: strategies for success in organizations, organizational culture and assimilation, the organization and society, life after work, and integrating the college experience. *Required: Corequisite is enrollment in a departmental internship of at least 10 hours credit.*

Note: Students whose internships are taken outside the Central Ohio area or who cannot attend the seminar, must take the seminar in the quarter following their internship. These students must contact the instructor(s) of the SYE Internship Seminar and obtain permission to do so ***prior to the quarter in which the internship is taken.*** *These students will be required to complete a detailed journal, including specific assignments related to the course content, during their internship.*

***SYE* 495 INDIVIDUALIZED SYE** **2-5 hrs**

This option provides flexibility in meeting the Senior Year Experience requirement for a student who has set a goal which does not fit within the present SYE options of SYE courses, SYE Internship Seminar, SYE Off-Campus Study, the Honors Program, or departmental offerings that include SYE components. A proposal for an individualized SYE, which requires the approval of both the SYE Committee and the Curriculum Committee, must adhere to strict guidelines in accordance with the requirements for other SYE options. *Students interested in designing an individualized* SYE *should pick up the Individualized SYE Guidelines in the Office of Academic Affairs* ***early in their junior year.***

Students in teacher education, athletic training, music performance, theatre, or honors should see their department chairperson or program director for more details about their specific SYE options. In addition, Continuing Studies students may want to enroll in an SYE designed for them. Several courses have sections indicating Continuing Studies enrollment (ex.: SYE courses designated 1C).

ACADEMIC SUPPORT CENTER

Kasulis (director), Biancamano, Kengla.

Academic Support Center Courses (ASC)

ASC 080 BASIC CONCEPTS IN MATHEMATICS **5 hrs**

Pre-algebra and beginning algebra topics: arithmetic of real numbers and polynomials (including fractoring); solving linear equations; graphing in two variables; applications and modeling. *Students required to take this course must complete it with a C- or better within four quarters of enrollment or face suspension/dismissal. ASC 080 and the next required level of pre-college algebra, MATH 090, do not count toward graduation in any degree program. Thus, students who have taken these two courses must complete at least 190 hours to graduate.*

ASC 100 THE COLLEGE EXPERIENCE **2 hrs**

An extended orientation course designed to help students adapt to their new environment - academically, socially and personally. *Prereq: By placement only.*

ASC 105 INTENSIVE WRITING **5 hrs**

This course emphasizes the development of writing skills and writing processes. Students will implement prewriting, drafting, and revising skills in the construction of various paragraphs and essay patterns. *Prereq: By placement only.*

ASC 110 COLLEGE READING AND STUDY SKILLS **5 hrs**

Designed to help students develop and enrich their communication skills. Emphasis on critical reading strategies and the application of study skills. *Prereq: By placement only.*

Additional information regarding the Academic Support Center may be found in the Academic Support Programs section of this catalog.

AMERICAN SIGN LANGUAGE

Rose, L. (adviser)

Students who have previous signing experience are required to take a placement exam before enrolling in ASL courses.

Providing you are eligible to transfer coursework to Otterbein (see Transfer Credit Policy, p. 304), American Sign Language courses beyond ASL 120 may be pursued by enrolling as a visiting student in the Interpreting/American Sign Language Education Program at nearby Columbus State Community College (CSCC). In many cases both the admission application process and the tuition are waived through a special cross registration program with which Otterbein and Columbus State are affiliated. To determine eligibility to cross register and to transfer CSCC courses to Otterbein, schedule an appointment with Otterbein's Registrar.

Otterbein offers a minor field in **Language and Culture of the Deaf Community**. The minor will allow students to acquire the foundations of a visual and gestural language, gain significant knowledge of the Deaf community, and examine principles of visual and linguistic processing in psychology and culture.

American Sign Language Courses (ASL)

***ASL* 100 AMERICAN SIGN LANGUAGE 1** **5 hrs**
ASL 100, 110 and 120 introduce students to this American visual/gestural language. Students will learn basic vocabulary, grammar, and sentence structure of American Sign Language, be exposed to the history, culture and literature of the hearing-impaired community, and understand the terminology and technology associated with hearing loss. ***This series may not be used to meet the B.A. or B.S. degree foreign language requirement.***

***ASL* 110 AMERICAN SIGN LANGUAGE II** **5 hrs**
A continuation of ASL 100. *Prereq: ASL 100 or permission of instructor.*

***ASL* 120 AMERICAN SIGN LANGUAGE III** **5 hrs**
A continuation of ASL 110. *Prereq: ASL 110 or permission of instructor.*

Minor in Language and Culture of the Deaf Community

Required (at least 28 total hrs):

ASL Courses (take all three)

- ❑ ASL 100 American Sign Language I 5 hrs
- ❑ ASL 110 American Sign Language II 5 hrs
- ❑ ASL 120 American Sign Language III 5 hrs

The following three courses taken at Columbus State may be substituted for the ASL 100/110/120 requirement:

- ❑ ITT 143 American Sign Language III* 5 hrs
- ❑ ITT 144 American Sign Language IV* 5 hrs
- ❑ ITT 145 American Sign Language V* 5 hrs

*Columbus State ASL levels III, IV, V will be considered as ASL elective credit at Otterbein.

Linguistics (choose one)

- ❑ ENGL 295 Linguistics 5 hrs
- ❑ EDUC 170 Phonics and the Structure of Language 5 hrs

The following course taken at Columbus State may be used to fulfill the Linguistics requirement:

- ❑ ITT 150 Linguistics of ASL 3 hrs

Electives (choose two)

- ❑ PSYC 230 Psychology of Learning 5 hrs
- ❑ PSYC 305 Psychology of Perception 5 hrs
- ❑ PSYC 310 Cognitive Psychology 5 hrs
- ❑ EDUC 220 Psychology Applied to Primary Education 5 hrs

The following course taken at Columbus State may be used to help fulfill the above Elective requirement:

- ❑ ITT 111 Introduction to the Deaf Community 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

ART

Hill (chairperson), Austin, Bowling, Cochran, Johnson, Marsh, Nees, J. Stichweh, D. Stichweh.

Mission and Program

The mission of the Art Department is to offer studio and art history programs linked to the College's liberal arts foundation, preparing graduates for a variety of professional options. Additionally, the department is committed to offering visual arts courses that complement the liberal eduction of all students at Otterbein.

At Otterbein, art students create in an environment of inquiry. Faculty seek to introduce students to an understanding of the artistic process and encourage them to commit themselves to the creation of meaningful works of art. Courses in art history provide an understanding of the historical and theoretical framework of the visual arts. Art students typically spend one-third to one-half of their time in art courses and are encouraged to link these studies to the diverse course experiences that a strong liberal arts curriculum offers. Opportunities to participate in study-abroad programs, internships, and trips to museums broaden experience and enhance visual awareness while opening possibilities for personal expression.

The Art Department coordinates an annual program of public exhibitions in the Dunlap and Fisher Galleries. These exhibitions explore a broad range of approaches to art, introducing the college community to the diversity of the art world. Many artists visit campus, presenting lectures and workshops in conjunction with their exhibitions. Each spring, graduating art students exhibit their work in the Dunlap Gallery.

The Frank Museum of Art provides a permanent exhibition space for the College art collection. The collection includes African pottery, sculpture, and textiles; Japanese prints, sculpture, and craft objects; and pottery and masks from New Guinea.

B.A. degree with a major in Art

Requirements in the Core Curriculum:

❑ Integrative Studies - 50 hrs (specifics on p. 13, INST 320 or 330 must be selected)

❑ Foreign Language - 10 hrs (specifics on p. 15)

❑ Mathematics - 5 hrs (specifics on p. 15)

❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)

❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (45+ hrs):

❑ Art 105 - 5 hrs

❑ Art 110 - 5 hrs

❑ Art 115 - 5 hrs

❑ Art 220 - 5 hrs

❑ Art 230 - 5 hrs

❑ Art 240 - 5 hrs

❑ Art 401 - 2 hrs

❑ a concentration of at least 3 courses chosen in consultation with an Art Department adviser - 12 to15 hrs; concentration areas include ceramics, com puter art, drawing, painting, photography, printmaking, sculpture and visual communication; the concentration is not required of students who complete the art education requirements for Visual Arts teacher licensure

❑ a total of at least 45 hrs of ART with at least 15 hrs at 300/400 level

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

• A minimum grade of "C" must be achieved in the following required courses for the Art Major:

ART 105 Drawing 1
ART 110 Design 2D
ART 115 Design 3D
ART 220 Art History (Ancient)
ART 230 Art History (Medieval, Renaissance, and Baroque)
ART 240 Art History (Modern)
ART 401 Senior Exhibition Practicum

In Addition, a minimum grade of "C" must be achieved in the sequence of three courses selected as a concentration. If a grade lower than "C" is earned in any of these courses, the course must be repeated. Should that course be a prerequisite for subsequent coursework, the student must earn a grade of "C" or better in the prerequisite course before continuing with the subsequent coursework.

• Every art major will participate in a student/faculty conference in the spring term of the freshman year. Department of Art faculty will discuss the student's progress and plans for the coming year.

• Every art major will participate in a second-year portfolio review usually during the spring term of the sophomore year. The second-year review will occur after an art major has completed the three studio foundation courses and at least two additional studio courses. Art Department faculty will review the sophomore portfolio, identify areas of strength and areas needing improvement, and discuss future curricular goals.

• Every art major will participate in a senior exhibition as a part of the Senior Exhibition Practicum course.

Minor in Art

Required (at least 25 total hrs):

❑ Art 110 - 5 hrs
❑ Art 220 or 230 or 240 or 250 or 260 - 3 to 5 hrs
❑ Remaining hours from any other ART courses

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Arts Administration

Required (all of these courses):

- ❑ ART 135 - 5 hrs
- ❑ ART XXX - 5 hrs
- ❑ ACCT 200 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ BADM 300 or 310 - 5 hrs
- ❑ BADM 340 - 5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Art History

Required:

- ❑ ART 220 – 5 hrs
- ❑ ART 230 – 5 hrs
- ❑ ART 240 – 5 hrs
- ❑ Three courses from among ART 250, 260, 270 and 275 – 13-15 hrs; ART 275 is repeatable to 15 credits so taking the course three times, if desired, would fulfill this requirement.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Requirements for students seeking **Visual Arts teacher licensure** are listed in the *Teacher Education Program* booklet available in the Education Department. Requirements for the art major and teacher licensure may differ somewhat, but both must be met to become licensed, and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

Program Outcome

A successfully completed major in **Art** may qualify the student to apply for graduate study in studio art, art history, art education, or other arts-related professional programs. The B.A. degree with a major in art may qualify the student to work professionally in a variety of applied arts fields such as graphic design, photography, or gallery management; self-employment as an artist provides an additional option. Students who complete an education major and specified art courses may apply for multi-age teaching licensure.

Art Courses (ART)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***ART* 105 DRAWING I** **5 hrs**

An introduction to drawing through observation, description, and interpretation. Exploration of basic compositional elements using a variety of drawing materials.

***ART* 110 DESIGN 2D** **5 hrs**
Study of fundamental elements and principles of two-dimensional art and their application to problems of visual organization. Lecture and studio projects.

***ART* 115 DESIGN 3D** **5 hrs**
Study of elements and principles of art as applied to three-dimensional work. Lecture and studio projects. *Prereq: ART 110 or permission of instructor.*

***ART* 130 COLOR PRINCIPLES FOR THE ARTIST** **3 hrs**
An examination of topics such as color as energy, color and perception, and light and pigments: additive and subtractive color. Studio applications will include color interaction problems, additive and subtractive color mixing, and written analyses of three-dimensional color applications.

***ART* 135 INTRODUCTION TO ARTS ADMINISTRATION** **5 hrs**
The foundation course for the arts administration minor, an examination of topics such as philanthropy and the arts, leadership and public policy issues in the arts, arts marketing, and common challenges facing all arts disciplines.

***ART* 151 BEGINNING PHOTOGRAPHY** **5 hrs**
An introduction to the historical significance, basic materials and process, and aesthetic appreciation of black and white photography. Classroom and darkroom instruction. Students are encouraged to have their own 35mm camera. Cameras may be borrowed from the Instructional Support Services for a small fee.

***ART* 210 DRAWING II** **4 hrs**
Intermediate work in drawing, with an emphasis on the human figure and composition. Exploration of various drawing media. *Prereq: ART 105 and 110, or permission of instructor.*

***ART* 220 ART HISTORY (ANCIENT)** **5 hrs**
Survey of painting, sculpture and architecture from Paleolithic times to first century A.D. Emphasis upon the Western tradition.

***ART* 230 ART HISTORY (MEDIEVAL, RENAISSANCE, AND BAROQUE)** **5 hrs**
Survey of painting, sculpture and architecture from first century A.D. to 1850. Emphasis upon the Western tradition.

***ART* 240 ART HISTORY (MODERN)** **5 hrs**
Survey of Modern Art, European and American.

***ART* 250 SURVEY OF GLOBAL ART** **3 hrs**
Study of selected cultures with an emphasis on the role of art and its relationship to other aspects of life. Cultures may include Native Arts of the Americas, Africa and Asia.

ART 251 INTERMEDIATE PHOTOGRAPHY **5 hrs**
An investigation of the process of creating expressive photographic images with an emphasis on composition, technical quality, and evaluation of photographic prints. *Prereq: ART 151.*

ART 260 WOMEN ARTISTS IN HISTORY **5 hrs**
A chronological survey of the contributions which women painters and sculptors have made to the history of Western art from ancient times to present. An examination of the problems confronting women artists throughout history.

ART 270 CONTEMPORARY ART HISTORY **5 hrs**
An exploration of topics in art from 1950 to the present such as conceptual, process, and performance art. Art criticism, technology and art, and contemporary issues in design, photography, and architecture are possible topics. *Prereq: ART 240.*

ART 275 THEMES IN 19th AND 20th CENTURY ART HISTORY: ART IN AMERICA **5 hrs**
An exploration of American art from the early 19th century through 1950. Course will address American artists' responses to modern life, examining topics such as westward expansion, urban growth, and immigration. The specific topics will change each year in a three-year cycle. *Repeatable to a total of 15 credits.*

ART 290 ART IN ELEMENTARY EDUCATION **5 hrs**
Studio and theoretical work to provide insight into the relationship of art to various aspects of early elementary education. *Prereq: EDUC 160 and INST 130.*

ART 292 ART METHODS AND MATERIALS FOR ELEMENTARY AND MIDDLE SCHOOL GRADES **5 hrs**
An introduction for prospective art specialists to the world of children's art. Studio and theoretical work will demonstrate the importance of the visual arts in the elementary grades and middle grades. Required for multi-age licensure in art. *Prereq: INST 130.*

ART 305 SCULPTURE **5 hrs**
An introduction to the art and craft of making sculpture. Studio projects will address modeling, casting, and fabrication techniques including glass casting. Art historical and contemporary sculpture topics will be addressed. *Prereq: ART 115 or permission of instructor. Repeatable to a total of 15 credits.*

ART 310 ADVANCED DRAWING **4 hrs**
Advanced work in drawing; in-depth exploration of medium and subject of student's choice. Plan to be determined in consultation with instructor. *Prereq: ART 210 or permission of instructor. Repeatable to a total of 8 credits.*

ART 325 ILLUSTRATION **4 hrs**
Introduction to concepts of illustration, including concept generation, development of personal style and approach, and methods of linking text and image. Exploration of a variety of media. *Prereq: ART 105 or permission of instructor.*

***ART* 330 PAINTING** **5 hrs**
Emphasis on structure, visual organization and the interaction between the artist and the work in progress. Study of historical and contemporary examples as they relate to students' paintings. *Prereq: ART 105 or permission of instructor. Repeatable to a total of 15 credits.*

***ART* 350 VISUAL COMMUNICATION I** **4 hrs**
Study of typography, layout and production. Use of the design process (from thumbnails to mechanicals) to solve graphic design problems for a variety of formats. Introduction to the history of visual communication. *Prereq: ART 105, 110 and 115 or permission of instructor.*

***ART* 351 ADVANCED PHOTOGRAPHY** **5 hrs**
Work in three selected areas of photographic exploration: Digital Color, Black and White: The Fine Print, and Alternative Approaches: Breaking the Rules. Topics will be offered on a rotating basis. *Prereq: ART 151 and 251, or permission of the instructor. Repeatable to a total of 15 credits.*

***ART* 355 VISUAL COMMUNICATION II** **4 hrs**
Continued work in typography, layout and production. Investigation of such design areas as corporate identity, *identity application*, and other comprehensive projects. Portfolio preparation. *Prereq: ART 350 or permission of instructor.*

***ART* 360 PRINTMAKING** **5 hrs**
Introduction to printmaking and studio work exploring various printmaking processes. Focus on relief and intaglio processes. *Prereq: ART 105 and 110, or permission of instructor. Repeatable to a total of 15 credits.*

***ART* 365 PACKAGE DESIGN** **5 hrs**
Exploration of the fundamentals of consumer package design and construction, including material use, surface graphics, and functional characteristics. Marketing and promotional problems are explored as well as environmental concerns. *Prereq: ART 355.*

***ART* 370 CERAMICS** **5 hrs**
Introduction to handbuilding and wheel throwing processes, glazing and decorating, and firing procedures including raku. Emphasis on visual organization and expressive qualities of the ceramic form. *Prereq: ART 115 or permission of instructor. Repeatable to a total of 15 credits.*

***ART* 380 COMPUTER ART** **1-5 hrs**
An introduction to the Macintosh computer as a tool in image making. Exploration of Photoshop and other digital image manipulation and drawing programs. *Prereq: ART 105 and 110. Repeatable to a total of 15 credits.*

***ART* 385 3D COMPUTER GRAPHICS AND ANIMATION** **5 hrs**
This course is designed to give students a studio experience with 3D computer graph-

ics and 3D animation techniques using the PC platform. Students will learn techniques and strategies for creating three-dimensional computer models, and creating 3D animations that illustrate a concept or tell a story. This course is applicable to all fields where visualization is needed to present an idea, illustrate a process, or tell an interesting story. It is especially advantageous to artists, teachers, and designers.

***ART* 390 INDEPENDENT STUDY** **1-5 hrs**

Independent study in art history or studio art. A proposal describing the specific project must be submitted and approved by the instructor prior to registration. *May be repeated for credit, pursuing a different topic.*

***ART* 401 SENIOR EXHIBITION PRACTICUM** **1 hr**

A practical experience in the professional design and installation of art exhibitions. Other professional preparation topics are also addressed. A required course for senior art majors to be taken during winter and spring quarters of the senior year. *Repeatable to a total of 2 credits.*

***ART* 440 ADVANCED STUDIO PROJECTS** **5 hrs**

Advanced work in one studio area, following completion of upper level courses offered in the chosen area, e.g. painting, drawing, ceramics. Exploration of media not covered in program courses is also possible. Projects to be developed in consultation with instructor. *Approval of instructor must be obtained prior to registration. Repeatable to a total of 15 credits in each medium.*

***ART* 490 INTERNSHIP** **1-15 hrs**

Internships are available to majors upon submission of a written proposal. They are arranged individually with design firms, museums, and corporations. The number of credit hours varies. *Approval from the Art Department must be granted before registering for the internship.*

BLACK STUDIES

McCray (coordinator)

The **Black Studies minor** is coordinated by the Sociology Department and provides an interdisciplinary approach to all undergraduate students interested in the Black experience. It offers critical perspectives on cultural, socioeconomic, and political realities of people of African descent in the United States and the Caribbean, and within Africa itself.

By developing a strong connection between academic work and community activities, the Black Studies program fosters intellectual and career development. Students will gain a detailed appreciation and understanding of diversity in contemporary society. Black Studies is part of a multicultural curriculum. This minor offers courses from a variety of fields as shown below.

Minor in Black Studies

Required (at least 30 total hrs):

English, History and Sociology (take all four)

- ❑ ENGL 230 - 5 hrs African-American Literature
- ❑ HIST 355 - 5 hrs African-American History
- ❑ SOCL 130 - 5 hrs Introduction to Black Studies
- ❑ SOCL 260 - 5 hrs Sociology of the Black Experience

Art, Economics, Education, English, Music, Psychology, and Sociology (choose remaining hours to equal 30)

- ❑ ART 250 - 3 hrs Survey of Non-Western Art
- ❑ ECON 440 - 5 hrs Economic Development and Growth
- ❑ EDUC 360 - 2 hrs Multicultural Education
- ❑ ENGL 334 - 5 hrs The Harlem Renaissance
- ❑ MUSC 275 - 2 hrs Popular Music Styles
- ❑ PSYC 275 - 5 hrs Multicultural Psychology
- ❑ SOCL 210 - 5 hrs Social Problems
- ❑ SOCL 300 - 5 hrs Racial and Ethnic Relations
- ❑ SOCL 325 - 5 hrs Sociology of Family Diversity
- ❑ SOCL 360 - 5 hrs Dimensions of Black Intellectual Thought
- ❑ SOCL 380 - 5 hrs Urban Society

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Descriptions of the Black Studies courses are listed under their respective home departments in this section of the catalog. Course prefixes (ENGL, HIST, etc.) and the home departments to which they are assigned are identified on p. 28.

BUSINESS, ACCOUNTING AND ECONOMICS

C. Smith (chairperson), Arch, Aristotelous, Bailey, Dennis, Eskew, Fagan, Huber, Mafi, Prindle, Ruparel, H. Smith, S. Smith, Whalen.

Mission and Programs

The Business, Accounting and Economics Department, with 14 full-time faculty members, seeks to provide a thorough understanding of business and economics concepts that will encourage our students to participate in an effective way in today's global business environment. The department offers B.S. and B.A. degrees in Accounting, Business Administration and Economics and a Master's degree in Business Administration. Within the undergraduate Business Administration major, students may select a concentration in Finance, International Business, Management, or Marketing.

Program Outcomes

Accounting: This program of study prepares students to seek careers in general accounting, tax accounting, auditing, government accounting, business consulting, or to pursue graduate work in Accounting, Business and other related fields.

Business Administration: This program of study qualifies students to seek careers in business consulting, corporate management, sales, marketing, finance, banking, human resource management, international business, or to pursue graduate work in Business and other related fields.

Economics: This program of study prepares students to seek careers in consulting, business, banking, finance, government, or to pursue graduate work in Economics and other related fields.

ACCOUNTING

A student may choose one of two majors in accounting - the **four-year major (Accounting)** or the **five-year major (Public Accounting).**

If a student wants to become a CPA, he or she can *immediately* sit for the CPA examination with the **five-year major.** With the **four-year major,** the student must first obtain a score of 1800 on the Graduate Record Examination (GRE) to sit for the CPA examination. If students do not obtain a score of 1800, but want to become a CPA, they must complete a fifth year of course work at Otterbein, at another institution, or as part of a Master's program.

A recommended option for students seeking to become a CPA is to complete the four-year major at Otterbein, and enter into a Master's of Accountancy Program, or Master's of Business Administration (M.B.A.) in their fifth year. Otterbein has an M.B.A. program. Admission to the program is competitive and not guaranteed.

B.A. or B.S. degree with a major in Accounting

Students planning graduate study in Accounting are advised to take BADM 310, 330, 420; ECON 220; and MATH 170.

Internships are recommended for all majors. Students planning to pursue an internship are recommended to take BADM 380.

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p.13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (90 hrs or equivalent):

- ❑ ACCT 200 - 5 hrs
- ❑ ACCT 210 - 5 hrs
- ❑ ACCT 330 - 5 hrs
- ❑ ACCT 370 - 5 hrs
- ❑ ACCT 380 - 5 hrs
- ❑ ACCT 385 - 5 hrs
- ❑ BADM 300 - 5 hrs
- ❑ BADM 340 - 5 hrs
- ❑ BADM 350 - 5 hrs
- ❑ BADM 480 - 5hrs
- ❑ COMM 280 - 5hrs
- ❑ ECON 210 - 5hrs
- ❑ ENGL 335 - 5 hrs
- ❑ MATH 230 - 5 hrs
- ❑ MATH 260 - 5 hrs (required for B.A. degree only)
- ❑ Additional Accounting - 15 hrs of any ACCT electives

- For careers in auditing and internal accounting, additional recommended courses include ACCT 350, 420 and 430.
- For a career in managerial accounting, additional recommended courses include ACCT 310 and 350 and BADM 330.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23.)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. or B.S. degree with a major in Public Accounting

Students planning graduate study in Accounting are advised to take BADM 310, 330, 420; ECON 220; and MATH 170.

Internships are recommended for all majors. Students planning to pursue an internship are recommended to take BADM 380.

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (110 hrs or equivalent):

- ❑ ACCT 200 - 5 hrs
- ❑ ACCT 210 - 5 hrs
- ❑ ACCT 310 - 5 hrs
- ❑ ACCT 330 - 5 hrs
- ❑ ACCT 350 - 5 hrs
- ❑ BADM 300 - 5 hrs
- ❑ BADM 310 - 5 hrs
- ❑ BADM 340 - 5 hrs
- ❑ BADM 350 - 5 hrs
- ❑ BADM 480 - 5 hrs

- ❑ ACCT 370 - 5 hrs
- ❑ ACCT 380 - 5 hrs
- ❑ ACCT 385 - 5 hrs
- ❑ ACCT 410 - 5 hrs
- ❑ ACCT 420 - 5 hrs
- ❑ ACCT 430 - 5 hrs
- ❑ COMM 280 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ ECON 220 - 5 hrs
- ❑ ENGL 335 - 5 hrs
- ❑ MATH 230 - 5 hrs
- ❑ MATH 260 - 5 hrs

- It is recommended that a second major and an internship be taken as well.
- Students who complete this major may immediately sit for the CPA Examination.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 but more typically closer to 200 (also see exceptions/additional comments on p. 23).

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Accounting

Required (at least 25 total hrs):

❑ All hours from among any ACCT courses.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

BUSINESS ADMINISTRATION

The **major in business administration** consists of 12 (for B.S.) or 13 (for B.A.) required courses and four additional business administration elective courses or a concentration emphasizing a functional area of business administration.

B.A. or B.S. degree with a major in Business Administration

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (80 hrs or equivalent for B.S.; 85 hrs or equivalent for B.A.):

Core Courses:

- ❑ ACCT 200 - 5 hrs
- ❑ ACCT 210 - 5 hrs
- ❑ BADM 300 - 5 hrs
- ❑ BADM 310 - 5 hrs
- ❑ BADM 340 - 5 hrs
- ❑ BADM 370 - 5 hrs
- ❑ BADM 440 or 450 or 470 or 480 - 5 hrs
- ❑ COMM 280 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ ECON 220 - 5 hrs
- ❑ ENGL 335 - 5 hrs
- ❑ MATH 230 - 5 hrs
- ❑ MATH 260 - 5 hrs (required for B.A. degree only)

• An internship is highly recommended.

• When pursuing an internship, it is recommended that BADM 380 be taken as well.

One of the following options is also required:

1. **Business elective area**

   ❑ 20 hours from outside the Core. May select from any of the courses listed under the Finance, International Business, Management, and Marketing concentrations. Other selections may include BADM 350, 380, 490 and experimental ACCT/BADM/ECON courses. At least 15 of these hours, however, must be from BADM courses.

2. **Finance concentration** (at least four courses required)

   ❑ ACCT 310 - 5 hrs ❑ BADM 460 - 5 hrs

   ❑ BADM 420 - 5 hrs ❑ ECON 380 - 5 hrs

   ❑ BADM 450 - 5 hrs (if this course is selected as part of core, it cannot count towards concentration)

   • A minor in Accounting or Economics is highly recommended.

3. **International Business concentration** (at least four courses required)

   ❑ BADM 375 - 5 hrs ❑ ECON 320 - 5 hrs

   ❑ BADM 385 - 5 hrs ❑ ECON 440 - 5 hrs

   ❑ BADM 470 - 5 hrs (if this course is selected as part of core, it cannot count towards concentration.)

   • Three or four more terms of foreign language are recommended.

4. **Management concentration** (at least four courses required)

   ❑ BADM 320 - 5 hrs ❑ BADM 415 - 5 hrs

   ❑ BADM 330 - 5 hrs ❑ BADM 495 - 5 hrs

   ❑ BADM 385 - 5 hrs ❑ ECON 360 - 5 hrs

5. **Marketing concentration** (at least four courses required)

   ❑ BADM 365 - 5 hrs ❑ BADM 410 - 5 hrs

   ❑ BADM 375 - 5 hrs ❑ BADM 430 - 5 hrs

   ❑ BADM 440 - 5 hrs (If this course is selected as part of core, it cannot count towards concentration)

   • A minor in Psychology or Public Relations is recommended.

   • When pursuing an internship, it is recommended that BADM 380 be taken as well.

   • When preparing for graduate study in Business Administration, it is recommended that ECON 310, 320 and MATH 170, 180 be taken as well.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23)

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Business Administration

Required (at least 30 hrs):

- ❑ Two ACCT courses, one ECON course, and any BADM course may count towards a minor.
- For a minor that may complement majors in other academic disciplines, the following set of courses is suggested: ACCT 200/210, BADM 300/310/340 and ECON 210.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

ECONOMICS

The Department offers a B.A. or B.S. degree in Economics. The B.S. degree has the stronger quantitative component necessary for graduate work in Economics, Business, or other related fields. The **major in Economics** consists of 10 or 11 required courses.

B.A. or B.S. degree with a major in Economics

Requirements in the Core Curriculum

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (75 hrs or equivalent):

- ❑ ACCT 200 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ ECON 220 - 5 hrs
- ❑ ECON 310 - 5 hrs
- ❑ ECON 320 - 5 hrs
- ❑ ECON 450 - 5 hrs
- ❑ COMM 280 - 5 hrs
- ❑ ENGL 335 - 5 hrs
- ❑ MATH 230 - 5hrs
- ❑ two courses from BADM 300/310/340 - 10 hrs
- ❑ four courses from BADM 370, ECON 350/360/380/425/440/499 and HIST 420 - 20 hrs
- When pursuing an internship, it is recommended that BADM 380 be taken as well.
- When preparing for graduate study in Economics, MATH 170 and180 are recommended.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Economics

Required (at least 25 total hrs):

- ❑ ECON 210 - 5 hrs
- ❑ ECON 220 - 5 hrs
- ❑ ECON 310 - 5 hrs
- ❑ ECON 320 - 5 hrs
- ❑ Remaining hours from among any other ECON courses, BADM 370 may be counted as well.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Accounting Courses (ACCT)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

ACCT 200 FINANCIAL ACCOUNTING **5 hrs**

The first of the introductory courses in accounting focuses on an introduction to the financial statements of business organizations. Understanding, preparation and use of financial statements are covered from an accounting information system perspective. *Prereq: MATH 115 and CSC 100 or equivalent CSC 100 computer knowledge (e-spreadsheets, work with internet, etc...).*

ACCT 210 MANAGERIAL ACCOUNTING **5 hrs**

The second of the introductory accounting courses emphasizing the use of accounting for decision making in the managerial environment. Topics include budgeting, cost-volume profit, break-even analysis, ABC costing and responsibility accounting. *Prereq: ACCT 200.*

ACCT 310 TAXES **5 hrs**

A study of individual tax law. Topics include gross income, deductions and losses, property transactions, tax status and determination, depreciation and basic tax research. The class may have an optional service learning component. *Prereq: ACCT 210.*

ACCT 330 ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS **5 hrs**

A study of the procedures, practices, and concepts of accounting information systems with management and control implications. Emphasis on the part played by management information systems and their relationship with accounting information systems. *Prereq: ACCT 210.*

ACCT 350 COST ACCOUNTING **5 hrs**

An exposure to cost accounting concepts, the measurement and accumulation of costs and cost-based decision making. *Prereq: ACCT 210.*

ACCT 370 INTERMEDIATE ACCOUNTING I **5 hrs**

A study of the application of accounting techniques and theory to recording and reporting of financial data. Emphasis is on the accounting cycle, current assets, plant

assets, the conceptual framework, and financial statements. *Prereq: ACCT 210 and junior standing; or permission of instructor.*

***ACCT* 380 INTERMEDIATE ACCOUNTING II** **5 hrs**
A continuation of Accounting 370 with emphasis on intangible assets, investments, current liabilities, long-term liabilities, stockholder equity, earnings per share and income determination. *Prereq: ACCT 370.*

***ACCT* 385 INTERMEDIATE ACCOUNTING III** **5 hrs**
A continuation of Accounting 380 with emphasis on current accounting controversies, pension and lease accounting, accounting for deferred taxes, reporting and disclosure issues. *Prereq: ACCT 380.*

***ACCT* 390 INDEPENDENT STUDY** **1-5 hrs**
An opportunity for students to engage in intensive independent study on an accounting topic of their choice under the direction of an accounting faculty member. *Prereq: ACCT 385 and junior or senior standing; or permission of instructor.*

***ACCT* 410 ADVANCED TAXES** **5 hrs**
A study of advanced tax topics relating to corporations, partnerships, limited liability companies, and nonprofit entities. Tax planning and research are emphasized. *Prereq: ACCT 310 or permission of instructor.*

***ACCT* 420 AUDITING** **5 hrs**
A study of the independent auditing function, professional ethics, legal liability, generally accepted auditing principles, and audit reporting. *Prereq: ACCT 385 or permission of instructor.*

***ACCT* 430 ADVANCED AND GOVERNMENTAL ACCOUNTING** **5 hrs**
A study of the process of consolidation of financial statements for companies that have been involved in merger and acquisition activity. Additionally, partnership account ing, foreign translation, and governmental accounting will be covered *Prereq: ACCT 385.*

***ACCT* 490 INTERNSHIP** **1-15 hrs**
Experience with an organization that offers an exposure to accounting practices. Students may design their own internship experience within departmental guidelines. Open to juniors and seniors with better than average academic performance. Credit cannot count toward satisfying the minimum number of courses required for the major or minor.

***ACCT* 499 SEMINAR IN ACCOUNTING TOPICS** **1-5 hrs**
Special topics that offer in-depth study of some aspects of accounting theory or practice.

Business Administration Courses (BADM)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***BADM* 300 PRINCIPLES OF MANAGEMENT** **5 hrs**
An exploration of management principles based upon managerial experience and behavioral science concepts. *Prereq: ECON 210.*

***BADM* 310 PRINCIPLES OF MARKETING** **5 hrs**
A study of management strategies in the marketing of consumer and industrial products and services: target market selection and product, pricing, distribution and promotion strategies. *Prereq: ECON 210.*

***BADM* 320 PERSONNEL AND HUMAN RESOURCES MANAGEMENT** **5 hrs**
A study of contemporary topics and procedures of personnel administration. Topics include diversity and legal issues in managment of human resource, job analysis and staff planning, recruitment, selection, training and development, labor relations and unions. *Prereq: BADM 300.*

***BADM* 330 OPERATIONS MANAGEMENT** **5 hrs**
An exploration of the role of operations in the function of an organization, manufacturing and services, at both the tactical and strategic levels. *Prereq: BADM 300 and MATH 230.*

***BADM* 340 BUSINESS FINANCE** **5 hrs**
A study of the role of financial markets and institutions in the economy as well as an introduction to the responsibilities, concerns and methods of analysis employed by corporate financial managers. *Prereq: ACCT 200.*

***BADM* 350 BUSINESS LAW** **5 hrs**
A study of the legal aspects of business. Emphasis is placed on the uniform commercial code dealing with obligations and contracts, agency, sales and negotiable instruments.

***BADM* 351 STAFFING** **5 hrs**
This course examines the following areas: measurement, selection strategies, recruitment, job analysis, interviews, selection tests, and the evaluation of selection systems. *Prereq: BADM 320.*

***BADM* 352 PERFORMANCE APPRAISAL AND COMPENSATION** **5 hrs**
A study of performance appraisal and compensation. In the area of performance appraisal the course examines: motivational concepts, the objectives of assessment, specific assessment measures, evaluation of assessment systems, legal issues in assessment, and strategic performance assessment issues. In the area of compensation the course covers: strategic compensation issues, job analysis, job evaluation, job

pricing, legal issues in compensation, labor markets, compensation structure, benefits, compensation control and administration. *Prereq: BADM 320.*

***BADM* 360 MANAGING INFORMATION TECHNOLOGY** **5 hrs**
This interdisciplinary course introduces students to managing the IT function in an environment in which business decisions and information management strategies are interdependent. The course covers the relationship between data (meta-data, the types of data), information, knowledge, insight, and the levels and uses of information: transactional, operational, and strategic. Students learn lifecycle concepts: requirements, definitions, specifications, build or buy. Topics include: training and integration issues, outsourcing strategies and issues; ethical, legal, and social issues; and the international dimensions of information management. The course introduces students to case study methods and the concepts and processes of project management. *Prereq: ACCT 210, BADM 300, and C SC 150. Open to PACE students only.*

***BADM* 365 SALES MANAGEMENT** **5 hrs**
A study of the role, activities and challenges of the sales manager. Topics include organizing the sales force, recruiting, training, compensation and motivating the sales force, forecasting and territory design. *Prereq: BADM 310.*

***BADM* 370 INTERNATIONAL BUSINESS AND ECONOMICS** **5 hrs**
A study of international economic relations, the theoretical basis of trade and financial policy, and the operation of enterprises in the international environment. *Prereq: ECON 210 and 220.*

***BADM* 375 INTERNATIONAL MARKETING** **5 hrs**
A study of the concepts of international marketing and marketing management, as well as the global environments the marketer must consider. Specific topics include: export and import operations, marketing mix and the type of entry. *Prereq: BADM 310 or 370.*

***BADM* 380 TRANSITION TO THE WORK FORCE** **2 hrs**
A study of tools and techniques to prepare students for the transition to the workplace. Topics include resume and cover letter writing, interviewing, career research and planning, on-line job searches, and portfolio development. Emphasis on training for successful internship and career placement. *Prereq: Junior or senior level standing or permission of instructor.*

***BADM* 385 INTERNATIONAL COMPARATIVE MANAGEMENT** **5 hrs**
A study of cross-cultural management practices by contrasting the different managerial approaches and styles that are used throughout the world. Human resource management and labor-management concerns are examined so that the international business firm may determine how best to maximize its effectiveness. *Prereq: BADM 370.*

***BADM* 390 INDEPENDENT STUDY** **1-5 hrs**
An opportunity for students to engage in intensive independent study on a business topic of their choice under the direction of a business faculty member. *Prereq:*

Completion of most core business courses and junior or senior standing; or permission of instructor.

***BADM* 410 RETAILING MANAGEMENT** **5 hrs**

A study of retailing practices and the role of the retailing organization in the channel of distribution. Particular emphasis on the management aspects of retailing: pricing, inventory control, personnel policies, and merchandising strategy. *Prereq: BADM 310.*

***BADM* 415 TRAINING AND DEVELOPMENT** **5 hrs**

An analysis of training and development topics and training design. Emphasis on learning principles, the relationship between training and other human resource functions, needs assessment, orientation, training methods, team training, the evaluation of training, the utility of training, and development practices. Questions of how ethics, diversity, and discrimination influence the human resource function will also be stressed. *Prereq: BADM 320.*

***BADM* 420 CORPORATE FINANCE** **5 hrs**

A study of advanced topics in financial management including working capital management, planning and control, effects of investment and financial policy on stockholder wealth, capital budgeting, cost of capital, dividend policy, debt policy, leasing policy, mergers and acquisitions, international finance. *Prereq: BADM 340.*

***BADM* 430 ADVERTISING AND PROMOTION** **5 hrs**

The role of advertising, publicity and public relations, personal selling, sales promotion and direct marketing in the comprehensive marketing program of an organization. Each topic will focus on the methods and underlying behavioral theories. *Prereq: BADM 310.*

***BADM* 440 MARKETING ANALYSIS AND PLANNING** **5 hrs**

An analysis of marketing strategies for profit and nonprofit organizations. *Prereq: ACCT 200/210, BADM 300/310/340/370, COMM 280, ECON 210/220, ENGL 335, MATH 230, MATH 260 (for BA students) and MATH 170/180 (for BS students); or permission of instructor.*

***BADM* 450 FINANCIAL PLANNING THEORY** **5 hrs**

An advanced course in finance that deals with the application of financial theory to business decision-making. Financial models are applied to case studies. *Prereq: ACCT 200/210, BADM 300/310/340/370, COMM 280, ECON 210/220, ENGL 335, MATH 230, MATH 260 (for BA students) and MATH 170/180 (for BS students); or permission of instructor.*

***BADM* 460 INVESTMENTS ANALYSIS** **5 hrs**

Provides a conceptual and analytic framework for portfolio management from the viewpoint of the investor. *Prereq: BADM 340.*

***BADM* 463 STRATEGIC INFORMATION SYSTEMS** **5 hrs**

Students will conceive of the multitudinous ways that IT can impact busines organizations and identify management approaches to ensure both effective planning and control of the activity. The conceptual framework that link information technology, tasks, human components, and the environments of business organizations will be presented and utilized. This course also serves as a capstone for Information Management majors. The couse emphasizes the technique of analyzing business cases. *Prereq: ACCT 210, BADM 340, and BADM 360.*

***BADM* 470 INTERNATIONAL BUSINESS POLICY AND STRATEGY** **5 hrs**

This capstone course will cover the tasks of strategic management (formulation, implementation, assessment and integration) of firms engaged in international business. The choices and consequences of various competitive and co-operative strategies will be examined as will be global strategic drivers and levers. *Prereq: ACCT 200/210, BADM 300/310/340/370, COMM 280, ECON 210/220, ENGL 335, MATH 230, MATH 260 (for BA students) and MATH 170/180 (for BS students); or permission of instructor.*

***BADM* 480 BUSINESS POLICY** **5 hrs**

Analysis of major policy decisions in the context of the entire business entity. Instruction will emphasize the interrelationships of the organizations's major functions—marketing, operations and finance. The course will stress the integration of knowledge and analytical skills acquired from other business courses. Questions of social responsibility, ethics, and personal attitudes will be raised and discussed in the context of actual cases. *Prereq: ACCT 200/210, BADM 300/310/340/370, COMM 280, ECON 210/220, ENGL 335, MATH 230, MATH 260 (for BA students) and MATH 170/180 (for BS students); or permission of instructor.*

***BADM* 490 INTERNSHIP** **1-15 hrs**

Experience with an organization that offers an exposure to business practices. Students may design their own internship experience within departmental guidelines. Open to juniors and seniors with better than average academic performance. Credit cannot count toward satisfying the minimum number of courses required for the concentration, major or minor.

***BADM* 492 INTERNATIONAL BUSINESS SEMINAR** **5 hrs**

International business seminar held in a designated foreign country. Course includes lectures, plant tours and corporate/institutional/governmental site visits, city tours, historical site visits and cultural events. Course requires a pre-study on country or region, attendance at all seminar activities during overseas portion and an individual research paper concluded upon return. *Prereq: Junior/senior standing required or permission of instructor. Course may be repeated once with departmental permission.*

***BADM* 495 QUALITY MANAGEMENT** **5 hrs**

An introduction to quality management principles with a focus on processes. Process mapping, statistical process control, and process capability are covered along with the use of teams. Both the hard and soft aspects of quality are discussed to provide a holistic view leading to a system of ongoing improvement. *Prereq: MATH 230.*

***BADM* 499 SEMINAR IN BUSINESS ADMINISTRATION TOPICS 1-5 hrs**
Special topics that offer in-depth study of some aspects of business.

Economics Courses (ECON)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***ECON* 210 PRINCIPLES OF MICROECONOMICS 5 hrs**
An introduction to the economic decision-making processes of households and business with emphasis on price determination, market structures, and the productivity of economic factors. *Prereq: MATH 115.*

***ECON* 220 PRINCIPLES OF MACROECONOMICS 5 hrs**
An introduction to the economic decisions at the societal-national level. Emphasis on income determination, employment, fiscal and monetary policies. *Prereq: MATH 115.*

***ECON* 310 INTERMEDIATE MICROECONOMIC ANALYSIS 5 hrs**
A detailed analysis of consumers and individual firms in different market situations with major emphasis on price information, product function, resource allocation and distribution theory. *Prereq: ECON 210 and 220.*

***ECON* 320 INTERMEDIATE MACROECONOMIC ANALYSIS 5 hrs**
An exploration of Keynesian, Post-Keynesian and Monetarist interpretation of national economic problems. *Prereq: ECON 210 and 220 and junior or senior standing.*

***ECON* 350 COMPARATIVE ECONOMIC SYSTEMS 5 hrs (alt. yrs.)**
Examination of political-economic-social systems such as Capitalism, Socialism, Communism. Emphasis on the nature of institutions and processes that develop under each system to support human welfare. *Prereq: ECON 210 and 220.*

***ECON* 360 LABOR ECONOMICS AND INDUSTRIAL RELATIONS 5 hrs**
Examination of economic decisions concerning the allocation of labor resources in the firm and the functioning of labor markets. Issues of collective bargaining and government programs to stimulate employment are discussed. *Prereq: ECON 21 0 and 220 or permission of instructor.*

***ECON* 380 MONEY AND BANKING 5 hrs**
A study of the organization, operation and economic significance of U.S. monetary and banking systems with special reference to current conditions and problems. *Prereq: ECON 210 and 220.*

***ECON* 390 INDEPENDENT STUDY** **1-5 hrs**
An opportunity for students to engage in intensive independent study on an economic topic of their choice under the direction of an economics faculty member. *Prereq: ECON 210 and 220 and junior or senior standing or permission of instructor.*

***ECON* 425 ENVIRONMENTAL ECONOMICS** **5 hrs (alt. yrs.)**
The course examines various economic issues facing business and government regarding the use of natural resources and the management of environmental quality. The US economy is the focus of the course. Environmental issues are addressed from a local, national, and, when appropriate, global perspective. *Prereq: ECON 210 and ECON 220 and junior or senior standing.*

***ECON* 440 ECONOMIC DEVELOPMENT AND GROWTH** **5 hrs (alt.yrs.)**
A study of the forces and institutions affecting the Third World countries, including an examination of the leading economic development theories. *Prereq: ECON 210 and 220 and junior or senior standing.*

***ECON* 450 INTRODUCTION TO ECONOMETRICS** **5 hrs (alt. yrs.)**
The course is an introduction to the methods of data analysis used in economics. Focus is on multivariate regression analysis and solutions to the problems of heteroskedasticity, serial correlation, and simultaneous equations bias. Time series models and forecasting will also be discussed. An econometrics computer package is used for data analysis. *Prereq: ECON 210, ECON 220, and MATH 230 and junior or senior standing.*

***ECON* 490 INTERNSHIP** **1-15 hrs**
Experience with an organization that offers an exposure to economic concepts and practices. Students may design their own internship experience within departmental guidelines. Open to juniors and seniors with better than average academic performance. Credit cannot count toward satisfying the minimum number of courses required for the major or minor.

***ECON* 499 SEMINAR IN ECONOMICS TOPICS** **1-5 hrs**
Special topics that offer in-depth study of some aspects of economics.

CHEMISTRY

Jenkins (chairperson), Johnston, Place, Sachleben, Szabo, Tansey

Mission and Programs

The Chemistry Department consists of five full-time faculty and a part-time laboratory superviser. The department seeks to provide a program that prepares students for professional work in chemistry in accordance with the American Chemical Society (ACS) guidelines. The program in Chemistry meets the undergraduate professional standards of and is approved by the American Chemical Society. The department provides support courses to Physics, Life Sciences, and Nursing majors. It also seeks to make chemistry accessible to liberal arts students and to raise the level of scientific literacy, in part by participation in the Integrative Studies program.

The department offers two majors: **Chemistry**, with American Chemical Society Certified or Basic concentrations, and **Biochemistry.** These majors are appropriate for careers in Chemistry, Biochemistry, graduate school preparation, medical research, or pre-professional programs leading to health-related careers such as medicine, dentistry, optometry, veterinary medicine, pharmacy, etc.

B.A. or B.S. degree with a major in Chemistry

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - fulfilled by completing the math required in the major
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (100 hrs or equivalent):

- ❑ MATH 170 - 5 hrs
- ❑ MATH 180 - 5 hrs
- ❑ PHYS 171/141 - 5 hrs
- ❑ PHYS 172/142 - 5 hrs
- ❑ PHYS 173/143 - 5 hrs

One of the following two concentrations is also required:

1. Basic Chemistry concentration

- ❑ CHEM 140 - 3 hrs
- ❑ CHEM 141 - 1 hr
- ❑ CHEM 150 - 3 hrs
- ❑ CHEM 151 - 1 hr
- ❑ CHEM 160 - 3 hrs
- ❑ CHEM 161 - 1 hr
- ❑ CHEM 240 - 3 hrs
- ❑ CHEM 241 - 1 hr
- ❑ CHEM 250 - 3 hrs
- ❑ CHEM 251 - 1 hr
- ❑ CHEM 260 - 3 hrs
- ❑ CHEM 261 - 1 hr
- ❑ CHEM 270 - 3 hrs
- ❑ CHEM 271 - 2 hrs
- ❑ CHEM 280 - 5 hrs
- ❑ CHEM 340 - 5 hrs
- ❑ CHEM 341 - 1 hr
- ❑ CHEM 400 - 2 hrs
- ❑ remaining hours from any other CHEM courses at 300/400 level; CHEM hours must total at least 48

2. American Chemical Society Certified concentration

- ❑ CHEM 140 - 3 hrs
- ❑ CHEM 141 - 1 hr
- ❑ CHEM 150 - 3 hrs
- ❑ CHEM 151 - 1 hr
- ❑ CHEM 160 - 3 hrs
- ❑ CHEM 161 - 1 hr
- ❑ CHEM 240 - 3 hrs
- ❑ CHEM 241 - 1 hr
- ❑ CHEM 250 - 3 hrs
- ❑ CHEM 251 - 1 hr
- ❑ CHEM 260 - 3 hrs
- ❑ CHEM 261 - 1 hr
- ❑ CHEM 270 - 3 hrs*
- ❑ CHEM 271 - 2 hrs*
- ❑ CHEM 280 - 5 hrs
- ❑ CHEM 340 - 5 hrs
- ❑ CHEM 341 - 1 hr
- ❑ CHEM 350 - 5 hrs
- ❑ CHEM 351 - 1 hr
- ❑ CHEM 380 - 5 hrs
- ❑ CHEM 400 - 2 hrs
- ❑ CHEM 450 - 3 hrs
- ❑ MATH 200 - 5 hrs
- ❑ Remaining hours from among CHEM 390 (no more than 4 hrs) or CHEM courses at 400 level except 490; CHEM hours must total at least 62

* With approval of Chemistry Department Chairperson, may substitute a 300/400 level L SC course.

• ENGL 335, Technical and Report Writing, is recommended.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180, but more typically closer to 190 for the B.S. (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. or B.S. degree with a major in Biochemistry

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - fulfilled by completing the math required in the major
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (approx. 100 hrs or equivalent):

- ❑ CHEM 140 - 3 hrs
- ❑ CHEM 141 - 1 hr
- ❑ CHEM 150 - 3 hrs
- ❑ CHEM 151 - 1 hr
- ❑ CHEM 160 - 3 hrs
- ❑ CHEM 161 - 1 hr
- ❑ CHEM 240 - 3 hrs
- ❑ CHEM 241 - 1 hr
- ❑ CHEM 250 - 3 hrs
- ❑ CHEM 251 - 1 hr
- ❑ CHEM 260 - 3 hrs
- ❑ CHEM 261 - 1 hr
- ❑ CHEM 400 - 2 hrs
- ❑ CHEM 450 - 3 hrs
- ❑ CHEM 460 - 3 hrs
- ❑ CHEM 465 - 4 hrs
- ❑ L SC 101 - 5 hrs
- ❑ L SC 102 - 5 hrs
- ❑ L SC 103 - 5 hrs
- ❑ L SC 201 - 5 hrs
- ❑ L SC 202 - 5 hrs
- ❑ MATH 170 - 5 hrs
- ❑ MATH 180 - 5 hrs
- ❑ PHYS 171/141 - 5 hrs

- ❑ CHEM 270 - 3 hrs*
- ❑ CHEM 271 - 2 hrs*
- ❑ CHEM 280 - 5 hrs
- ❑ PHYS 172/142 - 5 hrs
- ❑ PHYS 173/143 - 5 hrs
- ❑ CHEM 330 - 6 hrs

* With approval of Chemistry Department Chairperson, may substitute a 300/400 level L SC course.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Chemistry

Required (29 hrs or equivalent):

- ❑ CHEM 140 - 3 hrs
- ❑ CHEM 141 - 1 hr
- ❑ CHEM 150 - 3 hrs
- ❑ CHEM 151 - 1 hr
- ❑ CHEM 160 - 3 hrs
- ❑ CHEM 161 - 1 hr
- ❑ CHEM 240 - 3 hrs
- ❑ CHEM 241 - 1 hr
- ❑ CHEM 250 - 3 hrs
- ❑ CHEM 251 - 1 hr
- ❑ CHEM 260 - 3 hrs
- ❑ CHEM 261 - 1 hr
- ❑ CHEM 280 - 5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Physical Sciences Teacher Licensure (grades 7-12)

Students who wish to teach chemistry in grades 7-12 should refer to the requirements for the Physical Science major under "Physics and Astronomy." Requirements for students seeking physical science licensure are listed in the *Teacher Education Program* booklet available in the Education Department.

Program Outcome

Completion of the appropriate concentration described above prepares students for **postgraduate study** in the various subfields of chemistry (analytical, bio-, inorganic, organic, physical and polymer chemistry) and chemical engineering, **health-related professional programs** (medicine, dentistry, optometry, etc.), and **employment** as chemists or biochemists in a wide variety of industrial and government research laboratories. The program's technical content and problem-solving approach to learning may serve to prepare some students for careers in **other fields** such as law (intellectual property), business (marketing, sales), and information science.

Chemistry Courses (CHEM)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***CHEM* 110 SURVEY OF GENERAL CHEMISTRY** **5 hrs**

Lecture and laboratory

A study of inorganic chemistry including atoms, energy, bonding, reactions, states of matter, and calculations. *Prereq: Students must have a C- or better in MATH 090, or qualification through the Otterbein College Mathematics Placement Exam.*

***CHEM* 220 SURVEY OF BIO-ORGANIC CHEMISTRY** **6 hrs**

A survey course covering a range of topics for the non-major. The first forty percent of the class will serve as an overview of the major organic functional groups found in biochemistry. The latter sixty percent will focus on metabolism, the properties of biomolecules, and the chemistry of biological processes. Throughout the course examples will be cited of the biochemical basis of disease and current pharmaceutical treatments of these disorders. *Prereq: CHEM 110.*

Note: Chemistry 110 and 220 do not count toward a Chemistry major or minor.

***CHEM* 140 GENERAL CHEMISTRY I** **3 hrs**

The first course in a three quarter sequence to introduce basic concepts of chemistry to students majoring in science. Emphasis on problem solving and developing scientific thought processes. Course content includes atomic properties, basic calculations, thermochemistry, aqueous reactions, gas laws, and intermolecular forces. *Prereq: One year of high school chemistry or CHEM 110. Coreq: MATH 115 or 120.*

***CHEM* 141 GENERAL CHEMISTRY I LABORATORY** **1 hr**

The laboratory is designed to reinforce concepts from lecture and develop experimental skills. Quantitative and synthesis experiments are included with emphasis on report writing. *Coreq: CHEM 140 that must be taken at Otterbein College.*

***CHEM* 150 GENERAL CHEMISTRY II** **3 hrs**

Continuation of Chemistry 140. Course content includes the structure of atoms and molecules, chemical bonding, thermodynamics, solution stoichiometry, and kinetics. *Prereq: CHEM 140. Coreq: MATH 116 or 120.*

***CHEM* 151 GENERAL CHEMISTRY II LABORATORY** **1 hr**

Continuation of Chemistry 141. Laboratory and computer-based experiments are performed to clarify and reinforce lecture topics. *Prereq: CHEM 141. Coreq: CHEM 150 that must be taken at Otterbein College.*

***CHEM* 160 GENERAL CHEMISTRY III** **3 hrs**

Continuation of Chemistry 150. Inorganic and analytical topics include acid-base equilibria, solubility, complex ion formation, electron transfer reactions, and an introduction to qualitative inorganic chemistry. *Prereq: CHEM 150.*

***CHEM* 161 GENERAL CHEMISTRY III LABORATORY** **1 hr**

Continuation of Chemistry 151, with emphasis on inorganic synthesis, equilibrium studies, and qualitative analysis. *Prereq: CHEM 151. Coreq: CHEM 160 that must be taken at Otterbein College.*

***CHEM* 240 ORGANIC CHEMISTRY I** **3 hrs**

Structure, reactivity, and synthesis of carbon-containing compounds. The problem-solving approach emphasizes the correlation of reaction mechanism with modern structural theory. Topics include the nature of bonding, stereochemistry, alkanes, alkenes, and alkynes. *Prereq: CHEM 160.*

***CHEM* 241 ORGANIC CHEMISTRY I LABORATORY** **1 hr**

Experimental techniques are introduced in the laboratory through isolation of natural products, preparation of representative functional compounds, and multistep synthesis of complex molecules. *Prereq: CHEM 161; Coreq: CHEM 240 that must be taken at Otterbein College.*

***CHEM* 250 ORGANIC CHEMISTRY II** **3 hrs**

Continuation of Chemistry 240, including a discussion of alkyl halides, spectroscopy, aromaticity, alcohols, ethers, aldehydes and ketones. *Prereq: CHEM 240.*

***CHEM* 251 ORGANIC CHEMISTRY II LABORATORY** **1 hr**

Continuation of Chemistry 241. *Prereq: CHEM 241. Coreq: CHEM 250 that must be taken at Otterbein College.*

***CHEM* 260 ORGANIC CHEMISTRY III** **3 hrs**

Continuation of Chemistry 250, including a discussion of carboxylic acids and their derivatives, carbonyl condensation reactions, amines, and polymers. *Prereq: CHEM 250.*

***CHEM* 261 ORGANIC CHEMISTRY III LABORATORY** **1 hr**

Continuation of Chemistry 251, emphasizing classical and modern qualitative analysis. *Prereq: CHEM 251. Coreq: CHEM 260 that must be taken at Otterbein College.*

***CHEM* 270 INORGANIC CHEMISTRY** **3 hrs**

Survey of the properties and reactivity of main group and transition metal elements. Topics include atomic structure and bonding theory, introduction to molecular orbital theory, acid-base theories, inorganic nomenclature, coordination chemistry, periodic properties of the elements, and basic organometallic chemistry. *Prereq: CHEM 160 and 161.*

***CHEM* 271 INORGANIC CHEMISTRY LABORATORY** **2 hrs**

Synthesis and characterization of organometallic, coordination, bioinorganic and solid state compounds. Includes inert atmosphere techniques, vibrational spectroscopy, multi-nuclear NMR spectroscopy, and electrochemistry. *Coreq: CHEM 270 that must be taken at Otterbein College.*

***CHEM* 280 ANALYTICAL CHEMISTRY** **5 hrs**

Lecture and laboratory

A cornerstone course for developing skills in scientific measurement, analysis, and report writing, designed to train students in quantitative skills using statistical data analysis and computer programs, with an emphasis on spreadsheet computations. Basic

skills in volumetric and potentiometric titrations, spectrophotometric analyses, and modern instrumental analysis techniques are taught. *Prereq: CHEM 160 and 161.*

***CHEM* 330 BIOPHYSICAL CHEMISTRY** **6 hrs**

A survey of the application of thermodynamics, kinetics, quantum mechanics, spectroscopy, and diffraction to biochemical examples. The language of thermodynamics is introduced and used to describe the energetic transformations of biomolecules such as protein folding and DNA double helix formation. Kinetics, the study of the rates of chemical reactions, is used to elucidate the mechanisms of biochemical reactions. Finally, the spectroscopic and diffraction tools used to probe the structure and behavior of biological molecules are discussed in the context of quantum mechanics. The corresponding laboratory emphasizes calorimetry, kinetics and spectroscopy. *Prereq: Math 180 and Phys 173. Coreq: Chem 280.*

***CHEM* 340 PHYSICAL CHEMISTRY I** **5 hrs**

This course introduces classical thermodynamics, the study of the energetic transformations of macroscopic systems. The fundamental laws of thermodynamics are discussed and their implications derived. The importance of state and path functions is demonstrated. Results of the theory are used to derive the fundamental properties of gases, pure substances, and mixtures. *Prereq: MATH 180 and PHYS 173. Coreq: CHEM 280 or permission of instructor.*

***CHEM* 341 PHYSICAL CHEMISTRY I LABORATORY** **1 hr**

Laboratory applications of the fundamental principles of thermodynamics are demonstrated. Hypothesis testing and the critical analysis of data by mathematical modeling are stressed. In addition, scientific writing skills of publication-quality papers are developed. *Coreq: CHEM 340 that must be taken at Otterbein College.*

***CHEM* 350 PHYSICAL CHEMISTRY II** **5 hrs**

This course presents an introduction to quantum mechanics, the behavior of submicroscopic systems. The basic postulates of quantum mechanics are introduced. These postulates are then demonstrated by solving examples of increasing complexity, including the particle in a box, the rigid rotor, the harmonic oscillator, and the hydrogen atom. Quantum chemistry applications to molecules are then discussed. The relevance of these models to spectroscopy and the structure of atoms and molecules is presented. *Prereq: MATH 200, PHYS 173, CHEM 340.*

***CHEM* 351 PHYSICAL CHEMISTRY II LABORATORY** **1 hr**

Laboratory applications of quantum mechanics are demonstrated primarily by connecting the model calculations of the classroom exercises with spectroscopic measurements. Ultraviolet-visible (UV-VIS), infrared (IR), Raman, and nuclear magnetic resonance (NMR) spectroscopies are utilized to demonstrate the principles of quantum mechanics. Scientific writing skills are further developed. *Coreq: CHEM 350 that must be taken at Otterbein College.*

***CHEM* 380 INSTRUMENTAL ANALYSIS** **5 hrs**

Lecture and laboratory

A study of the theory and applications of modern chemical instrumentation. Includes UV-VIS, FT-IR, FT-NMR, Raman, and atomic absorption spectroscopies, gas and liquid chromatography, electroanalytical techniques and computer interfacing. Ability to use computer spreadsheet programs and knowledge of basic statistical analysis are assumed. *Prereq: CHEM 280.*

***CHEM* 390 INDEPENDENT STUDY** **1-4 hrs**

A student undertakes a research problem with the consent of a staff member and, if repeated, may receive up to 4 hrs of credit. *Prereq: CHEM 261 or 341.*

***CHEM* 400 SEMINAR** **2 hrs**

An introduction to on-line searching of the chemical literature, oral presentations, a term paper on a specific topic, and periodic guest lectures. Taken each term in the senior year. *Prereq: CHEM 340.*

***CHEM* 410 POLYMER CHEMISTRY** **3 hrs**

An introduction to polymer science including monomer and polymer syntheses, polymerization kinetics, molecular weight distribution, and physical properties including thermal, viscoelastic properties, solubilities, and miscibilities. Polymer molecular modeling will be introduced to predict physical properties of polymers built in the modeling program as an alternative to a laboratory module. *Prereq: CHEM 260 and 340, or permission of the instructor.*

***CHEM* 440 ADVANCED ORGANIC CHEMISTRY** **3 hrs**

Advanced reaction mechanisms, kinetics, structure-reactivity relationships, orbital symmetry considerations, and newer synthetic methods are presented. *Prereq: CHEM 260 and 340 .*

***CHEM* 450 BIOCHEMISTRY I** **3 hrs**

A discussion of the general physical and chemical properties of amino acids, proteins (including enzymes), carbohydrates, and nucleic acids, with an emphasis on structure-reactivity correlations and reaction mechanisms. *Prereq: CHEM 260.*

***CHEM* 460 BIOCHEMISTRY II** **3 hrs**

Continuation of Chemistry 450, including an analysis of intermediary metabolism and other important biological reactions from an organic chemistry multifunctional group perspective. *Prereq: CHEM 450.*

***CHEM* 465 ADVANCED BIOCHEMISTRY** **4 hrs**

Lecture and laboratory

An advanced course dedicated to a thorough examination of biological processes at the chemical level. Five units will be studied consisting of protein structure and function, enzyme kinetics, bioinformatics and data mining, signal transduction and second messengers, and neuroscience and electrophysiology. Topics will be addressed using graduate level texts and reviews of current literature. Laboratory sections and take home exercises will complement material covered in lecture. *Prereq: CHEM 280 and 460.*

***CHEM* 470 ADVANCED INORGANIC CHEMISTRY** **3 hrs**

In depth treatment of advanced topics in inorganic chemistry, including quantum theory, group-theory, advanced bonding theory, electronic spectra, magnetism, organotransition metal chemistry, bioinorganic chemistry, catalysis, and an introduction to band-theory in solids. *Prereq: CHEM 270 and 340.*

***CHEM* 480 SPECIAL TOPICS** **2-4 hrs**

Topics not included in the regular curriculum. *Prereq: depends on the specific topic.*

***CHEM* 490 INTERNSHIP** **1-15 hrs**

Employment experience off-campus. Approved, arranged and administered by the department. Not applicable as credit for the major.

COMMUNICATION

Millsap (chairperson), Demas, Kelly, Ludlum, McNabb, Reynolds, Sabbath, Shively, Smith, Strayer, Warren, Weispfenning.

Mission and Programs

The Department of Communication consists of 12 full-time faculty members and defines its mission as: (1) providing our majors with education that helps them develop as "whole persons," both as future professionals and as contributors to society; (2) helping all students develop communication skills that will allow them to exercise their rights as citizens in a free society, and to develop meaningful relationships with others; and (3) modeling ethical communication practices, mentoring students in and out of the classroom, and exploring, developing and applying new knowledge.

The department sponsors majors in broadcasting, speech communication, organizational communication, journalism and public relations, and minors in broadcasting, speech communication, journalism and public relations. The organizational communication major is offered in the evening program. The department also provides required courses for several majors and sponsors co-curricular activities.

Communication Ability Awards are available to students planning a major in speech communication, broadcasting, organizational communication, journalism or public relations. Awards are based upon high school record, test scores, communication-related activities and completion of an essay. To be eligible for consideration, a student must be accepted to Otterbein. For information, please write: Chairperson, Department of Communication, Otterbein College, Westerville, Ohio 43081. (614-823-3380)

Communication Related Activities

Newspaper— The College newspaper, *The Tan and Cardinal,* is published by a student staff each week during the academic year except during the summer term. Students can write, edit, take photographs and design this 1,800-circulation newspaper. Some editorial positions are paid, and editors are eligible to attend national and local college newspaper conferences.

Public Relations—Otterbein sponsors a chapter of the Public Relations Student Society of America (PRSSA), a national, pre-professional organization for students interested in public relations. The Otterbein College Chapter sponsors a variety of speakers and workshops and a student-managed public relations agency. In addition, members of PRSSA are eligible for scholarships sponsored by the Public Relations Society of America, receive reduced rates at professional luncheons and workshops and may attend national and district conferences of PRSSA.

Radio—WOBN-FM, the student-run radio station, is under the direction of the Department of Communication. WOBN also offers co-curricular opportunities for students majoring in communication and other related disciplines. The station broadcasts 24 hours a day featuring an alternative music format, Otterbein College sporting events and Westerville area news and public affairs. WOBN broadcasts at 101.5 FM and on-line at www.wobn.net.

Television—WOCC-TV 3 provides programming for Westerville and Otterbein College via cable channel 3. Programming includes public affairs, entertainment,

education and sports. By participating, the student has the opportunity for a hands-on learning experience including camera, graphics, audio operation, production and direction, as well as management. The day-to-day operation of an on-air cable television station provides a practical addition to classroom instruction.

Forensics—Otterbein is a member of the Ohio Forensics Association, National Forensic Association, and Pi Kappa Delta, a national forensics honorary. Students compete in debate tournaments and individual events (public speaking, oral interpretation and extemporaneous speaking) tournaments which provide travel opportunities to both local and out-of-state contests.

M.O.S.T.—Mentoring Organizational Students Today is a networking and mentoring organization for students interested in careers in Organizational Communication. Students are actively involved in building mentoring connections by organizing professional speaking events, an informal networking brunch, mock interviews, fundraisers, and on-site professional visits. In addition, students coordinate various activities to develop mentoring relationships among all communication majors.

B.A. degree with a major in Broadcasting

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (58 hrs or equivalent):

- ❑ COMM 100 - 5 hrs
- ❑ COMM 200 - 5 hrs
- ❑ COMM 305 - 5 hrs
- ❑ COMM 498 - 2 hrs
- ❑ COMM 499 - 3 hrs
- ❑ MCOM 140 - 1 hr
- ❑ MCOM 141 - 1 hr
- ❑ MCOM 450 - 5 hrs
- ❑ JOUR 160 - 5 hrs

Students must choose one of the following concentrations available in the major:

1. Media Production concentration

- ❑ MCOM 110 - 5 hrs
- ❑ MCOM 120 - 5 hrs
- ❑ MCOM 261 or JOUR 260 - 5 hrs
- ❑ MCOM 365 or 410 - 5 hrs
- ❑ One course from MCOM 341-347 - 1 hr
- ❑ Elective from among ART 151, COMM 335, JOUR 175, and MCOM 130/261/320/360/365/391/410 - 5 hrs

2. Media Studies concentration

- ❑ JOUR 140 - 1 hr
- ❑ MCOM 110 or 120 - 5 hrs
- ❑ MCOM 265 - 5 hrs
- ❑ MCOM 365 - 5 hrs
- ❑ MCOM 410 - 5 hrs
- ❑ Elective from among MCOM 110/120/261/320/360/391/490, JOUR 260/360, COMM 215/335, and BADM 300/310 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Journalism

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs specifics on p. 14)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 15)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (69 hrs or equivalent):

- ❑ COMM 100 - 5 hrs
- ❑ COMM 200 - 5 hrs
- ❑ COMM 305 - 5 hrs
- ❑ COMM 498 - 2 hrs
- ❑ COMM 499 - 3 hrs
- ❑ JOUR 160 - 5 hrs
- ❑ JOUR 175 - 5 hrs
- ❑ JOUR 140 and 340
- ❑ minimum of 1 hr of 140 and 1 hr of 340 and at least 6 hrs combined
- ❑ JOUR 260 - 5 hrs
- ❑ JOUR 275 - 5 hrs
- ❑ JOUR 360 - 5 hrs
- ❑ JOUR 375 - 5 hrs
- ❑ JOUR 490 - at least 3 hrs
- ❑ MCOM 410 - 5 hrs
- ❑ Electives from JOUR, COMM, and MCOM - 5 hrs.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Organizational Communication

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (55 hrs or equivalent):

- ❑ COMM 100 - 5 hrs
- ❑ COMM 180 - 5 hrs
- ❑ COMM 200 - 5 hrs
- ❑ COMM 285 - 5 hrs
- ❑ COMM 305 - 5 hrs
- ❑ COMM 380 - 5 hrs
- ❑ COMM 498 - 2 hrs
- ❑ COMM 499 - 3 hrs
- ❑ BADM 300 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ electives from among BADM 310/320/415, COMM 250/335/362/480, ENGL 335, JOUR 160, MATH 230, PSYC 240 and SOCL 290 - 10 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Public Relations

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (67 hrs or equivalent):

- ❑ COMM 100 - 5 hrs
- ❑ COMM 200 - 5 hrs
- ❑ COMM 215 - 5 hrs
- ❑ COMM 305 - 5 hrs
- ❑ COMM 310 - 5 hrs
- ❑ COMM 335 - 5 hrs
- ❑ COMM 400 - 5 hrs
- ❑ COMM 498 - 2 hrs
- ❑ COMM 499 - 3 hrs
- ❑ BADM 310 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ JOUR 140 - 2 hrs
- ❑ JOUR 160 - 5 hrs
- ❑ JOUR 175 - 5 hrs
- ❑ JOUR 260 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Speech Communication

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 47 hrs):

- ❑ COMM 100 - 5 hrs
- ❑ COMM 140 - 1 hrs
- ❑ COMM 141 - 1 hrs
- ❑ COMM 200 - 5 hrs
- ❑ COMM 305 - 5 hrs
- ❑ COMM 330 - 5 hrs
- ❑ COMM 360 - 5 hrs
- ❑ COMM 498 - 2 hrs
- ❑ COMM 499 - 3 hrs
- ❑ remaining hours from among COMM 120/180/291/335/380/391/491

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Broadcasting

Required (at least 25 total hrs):

❑ MCOM 110 - 5 hrs
❑ MCOM 120 - 5 hrs
❑ MCOM 140 - 1 hr
❑ MCOM 141 - 1 hr
❑ remaining hours from among MCOM 130/140/141/265/320/341-349/360/365/410/450. No more than 6 hours combined from MCOM 140/141/341-349.

- Consult with a broadcast adviser in constructing the minor.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Journalism Publication and On-Line Design

Required (at least 29 hours):

❑ JOUR 160 - 5 hrs
❑ JOUR 175 - 5 hrs
❑ JOUR 140 and 340 - at least 4 hrs with at least 1 hr of 340.
❑ JOUR 275 - 5 hrs
❑ JOUR 375 - 5 hrs
❑ MCOM 410 or JOUR 260 - 5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Journalism Writing

Required (at least 29 total hours):

❑ JOUR 160 - 5 hrs
❑ JOUR 175 - 5 hrs
❑ JOUR 140 and 340 - at least 4 hrs with at least 1 hr of 340.
❑ JOUR 260 - 5 hrs
❑ JOUR 360 - 5 hrs
❑ MCOM 410 - 5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Public Relations

Required (all of these courses):

❑ COMM 100 or 280 - 5 hrs
❑ COMM 215 - 5 hrs
❑ COMM 310 - 5 hrs
❑ COMM 400 or 415 - 5 hrs
❑ JOUR 160 - 5 hrs
❑ JOUR 260 - 5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Speech Communication

Required (at least 25 total hrs):

- ❑ COMM 100 - 5 hrs
- ❑ COMM 200 - 5 hrs
- ❑ remaining hours from any other COMM courses with at least 10 hrs at 300 level or above

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Program Outcomes

Broadcasting: This program of study qualifies students to seek careers in electronic media/radio-television broadcasting, and/or non-broadcast video or to apply for graduate study in mass communication, electronic media and radio-television broadcasting.

Journalism: This program of study qualifies students to seek careers in the field of journalism including writing, editing and designing newspapers, magazines, web sites and other publications or to pursue graduate study in journalism/mass communication.

Organizational Communication: This program of study prepares students for graduate study in Organizational Communication and other communication-related disciplines. This program also qualifies students to seek a variety of communication careers in leadership positions in a wide variety of industries and not-for-profit agencies.

Public Relations: This program of study qualifies students to seek careers in the public relations field for both for-profit and not-for-profit organizations, enter other related communication professions, or pursue graduate study in communication or related disciplines.

Speech Communication: This liberal arts program of study prepares the student to pursue graduate study in communication-related disciplines. This program may also prepare students to seek a variety of professional careers including broadcasting, social and human services, and government/politics.

Communication Courses (COMM)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***COMM* 100 FUNDAMENTALS OF PUBLIC SPEAKING** **5 hrs**

Study and practice of the process of oral communication, its nature, background and performance. Realistic practice-speaking situations deal with subject matter of concern in our modern world.

***COMM* 120 SMALL GROUP COMMUNICATION** **5 hrs**

The nature of the small group, problem-solving process. The student is given opportunities to practice participating in and leading discussion activities chosen from real-life situations.

***COMM* 140/141 COMMUNICATION ACTIVITIES SEMINAR**
Individual and group instruction and participation in supervised creative activities. *May be repeated for credit.*

***COMM* 140 DEBATE** **1 hr**
***COMM* 141 INDIVIDUAL EVENTS** **1 hr**

***COMM* 170 ORAL INTERPRETATION** **3 hrs (alt. yrs.)**
Study in the theory and technique of the oral presentation of literature, including interpretation of text. Students will analyze and present selections from the three literary genres (prose, poetry and drama).

***COMM* 180 INTERPERSONAL COMMUNICATION** **5 hrs**
An introductory course which focuses on communication in informal and formal face-to-face settings (e.g., conversation, counseling, interviewing). Topics include self-concept and self-disclosure, perception of others, verbal and nonverbal messages, communication in relationships, and strategies for conflict resolution.

***COMM* 200 INTRODUCTION TO HUMAN COMMUNICATION** **5 hrs**
An introduction to the theory-building process and important theories and perspectives of human communication. *Prereq: COMM 100 or 280, sophomore standing.*

***COMM* 215 PRINCIPLES OF PUBLIC RELATIONS** **5 hrs**
An introduction to the field of public relations, including the nature and responsibilities of public relations, and an overview of the public relations process in organizations and society. *Open to sophomores, juniors and seniors only.*

***COMM 220* INTERCULTURAL COMMUNICATION** **5 hrs**
With the goal of understanding the perspectives of other cultures and resolving possible conflicts, students will examine the role of perception, language, belief systems, social structures and culture practices in cross-cultural interactions. Applications will be made to specific cultures. The approach in this course goes beyond talk about forming better multicultural communities to the development of action-oriented communication strategies that positively effect community.

***COMM* 250 PRINCIPLES OF INTERVIEWING** **5 hrs**
Study and practice of the interview process, discovery and understanding of principles for more effective interviewing and guided practice in application of such principles. Experiences in interview preparation, process and evaluation are combined with observation, analysis and critiques of self and others. *Prereq: COMM 100 or 180 or 280 or 285.*

***COMM* 280 BUSINESS AND PROFESSIONAL SPEECH** **5 hrs**
An introduction to oral communication skills with applications to careers in business and professional organizations. Specific skills developed would include: interviewing (both employment and other forms), group discussion and problem-solving methods, listening and presentational speech (with special focus on technical and sales presentations). Content will include: general communication and organizational theory;

principles of perception; language and nonverbal communication; and principles/techniques of information transmission and persuasion. *Not open to students who have credit for COMM 100.*

***COMM* 285 COMMUNICATION SKILLS FOR ORGANIZATIONS** **5 hrs**
A skills development course and general introduction to the organizational communication field of study. Organizational system levels including interpersonal, group and organizational are examined from a human communication perspective. Developing competency in communication practices and techniques at each level is the main emphasis of this course. *Prereq: COMM 100 and COMM 180. Not open to students who have credit for COMM 280.*

***COMM* 305 INTERPRETING COMMUNICATION RESEARCH** **5 hrs**
Introduction to strategies for discovering and interpreting communication research, including experimental, field study, case study, ethnographic and critical methods. *Prereq: COMM 200, junior standing.*

***COMM* 310 PUBLIC RELATIONS TECHNIQUES** **5 hrs**
An application of basic public relations techniques, tools and theories. Emphasis on planning, executing and evaluating public relations messages. *Prereq: COMM 215 and JOUR 260, or permission of the instructor.*

***COMM* 320 FAMILY COMMUNICATION** **5 hrs**
Communication perspectives that recognize the diversity of family experience are emphasized. Relational meanings and roles, defining intimacy, power and conflict, adaptability to crisis and change will be some of the topics considered in the investigation of family interaction processes. Practical, theoretical and research-oriented applications will provide healthy approaches and a baseline for ongoing study of family communication. *Prereq: COMM 180 or permission of instructor.*

***COMM* 330 ADVANCED PUBLIC SPEAKING** **5 hrs (alt. yrs.)**
An advanced course in public speaking skills, with emphasis on content, organization, delivery and style. Includes extensive practice in a variety of speech settings and purposes. *Prereq: COMM 100 or permission of the instructor.*

***COMM* 335 PERSUASION** **5 hrs**
A study of rhetorical and psychological theories of persuasion, with special attention to motivation and audience factors. Includes application to the development, presentation, analysis and testing of written and oral persuasive messages and persuasive campaigns. *Prereq: Junior standing and COMM 200. COMM 305 is recommended.*

***COMM* 360 ARGUMENTATION AND ADVOCACY** **5 hrs**
Study and practice of theories of argument, including the nature of argument, logical proof, organization of argument, standards for evidence and refutation tactics. Application includes formal classroom debates on contemporary issues.

***COMM* 361 SEMINAR: THE EMERGING LEADER** **5 hrs**
Assesses personality types and thinking styles. Traces influences on one's leadership style and emphasizes the leader's responsibility to share values. Covers models demonstrating leadership problems and covers effective leadership actions and behavior. Guest presentations. *Prereq: 1) application and 2) 45 credit hours and 3 years of full-time work experience with some supervisory experience or permission.*

***COMM* 362 SEMINAR: LEADERSHIP CONCEPTS** **5 hrs**
Leadership topics covered would include: traits, historical and emerging perspectives, power and influence, culture and metaphor, innovation and creativity, conflict resolution, and decision making. *Prereq: COMM 361 or 380.*

***COMM* 363 SEMINAR: PRACTICING LEADERSHIP** **3 hrs**
Involves presentations by noted corporate, human services and government leaders. Takes a case study approach involving how practicing leaders operate in their organizations. Applies existing theory covered in the first two courses and attempts to generate new theory. *Prereq: COMM 362 or permission of the instructor.*

***COMM* 364 LEADERSHIP PROJECT** **2 hrs**
Students are required to apply models, concepts, skills and systems discussed in COMM 363 in combination with their other course work and experience in proposing a method for improving an aspect or a unit of an organization or a solution to a "leadership challenge" in an organization. *Prereq: COMM 361 or 380, COMM 362 and COMM 363 or permission of the instructor.*

***COMM* 370 COMMUNICATION PRACTICUM** **1 hr**
Experience gained by guided intern work in College departments, such as Communication, College Relations, Student Personnel, Admission and Campus Programming. *Instructor's permission needed for off-campus experience. Repeatable to a maximum of five credits.*

***COMM* 380 ORGANIZATIONAL COMMUNICATION** **5 hrs**
The study of communication patterns and practices which impact organizational life. A case study approach allows students to analyze and critique organizational conditions from various communication perspectives and consider strategies for improvement. *Prereq: COMM 200; and 100, 280 or 285. BADM 300 is recommended.*

***COMM* 390 INDEPENDENT STUDY** **1-5 hrs**
Individual research projects for qualified students. *Prereq: permission of the instructor.*

***COMM* 400 PUBLIC RELATIONS CASE STUDIES** **5 hrs**
A study of case problems in public relations, with special emphasis on designing and implementing public relations campaigns. The course will study past problems and strategies and also provide the student with the opportunity to analyze and critique effective/ineffective public relations programs. *Prereq: COMM 215 and JOUR 260.*

***COMM* 415 PUBLIC RELATIONS RESEARCH, PLANNING & STRATEGIES** **5 hrs (alt. yrs.)**

The study of public relations research, plan and proposal development, and strategy implementation. Students will become involved in actual research, goal setting and specific strategy development in identifying and planning to meet the public relations needs of an organization. *Prereq: COMM 215 and COMM 310.*

***COMM* 480 CONSULTING IN ORGANIZATIONAL COMMUNICATION** **5 hrs (alt. yrs.)**

A course which serves the function of synthesizing the students' knowledge of organizational communication. Opportunities for putting theory into practice are provided through organizational assessments in real world settings. Emphasis is put on the practical application of diagnosis, analysis, recommendations and intervention strategies most closely related to the structure and function of organizational communication. *Prereq: COMM 380 and COMM 305.*

***COMM* 490 INTERNSHIP** **1-15 hrs**

Internships are available in a variety of organizations and activities related to the major. Information about available internships and requirements may be obtained from the department office of any faculty member. *Prereq: Permission of a faculty advisor in the department.*

***COMM* 498 SENIOR PORTFOLIO** **2 hrs**

This course requires Speech Communication, Public Relations, Broadcasting, Organizational Communication and Journalism majors to create, edit and select a sampling of their best work over a four-year period for compilation into a portfolio which will be presented by the student to the faculty in a public venue. Students select at least five samples of work derived from specific courses and interests within their majors, and work which is created in fields other than their majors. The portfolios should showcase both knowledge, skills and attitudes acquired by the students in their education and personal/professional growth. Students must include a narrative with the completed portfolio which demonstrates their own insights into the submitted work and their evaluation of themselves as thinkers, writers and communication professionals. *Prereq: COMM 305 and senior standing.*

***COMM* 499 COMMUNICATION AND SOCIETY** **3 hrs**

A seminar course focusing on the interaction between communication and human societies. Topics for the seminar are selected by students enrolled in the course. *Prereq: COMM 305 and senior standing.*

Journalism Courses (JOUR)

***JOUR* 140 NEWSPAPER PRACTICUM (*TAN & CARDINAL*)** **1 hr**

Supervised reporting and writing for the weekly student newspaper. Students attend weekly staff meetings and write stories based on covering campus beats. *Repeatable to a maximum of 6 credits.*

***JOUR* 160 MEDIA WRITING** **5 hrs**
Techniques of journalistic and mass communication writing and information gathering designed to develop the basic writing skills for the media, with applications in journalism, broadcasting and public relations. *Prereq: keyboarding skills.*

***JOUR* 175 PUBLICATION DESIGN** **5 hrs**
An introduction to typography and layout in printed journalistic communications, including use of computer desktop publishing programs. Desktop techniques will be used to produce publications, including brochures and newsletters. *Credit not available to students who have completed JOUR 265.*

***JOUR* 260 NEWS WRITING AND REPORTING** **5 hrs**
Reporting and writing of news stories for publication. Emphasis on interviewing, generating story ideas, and beat reporting. *Prereq: JOUR 160.*

***JOUR* 340-345 ADVANCED PRACTICUM IN JOURNALISM** **1 hr**
Upper-level journalistic skill development by working on the production of the Tan and Cardinal, Otterbein's weekly student newspaper. Skills include managing student staff, fine-tuning written content, overseeing weekly conversion to web content, managing photography production, coordinating advertising sales and managing graphic production. *Course may be repeated once for a maximum of three credits. Prereq: JOUR 140 and permission of instructor.*

***JOUR* 340** Newspaper Management Practicum	1 hr
***JOUR* 341** Copyediting Practicum	1 hr
***JOUR* 342** News Photography Practicum	1 hr
***JOUR* 343** On-line Production Practicum	1 hr
***JOUR* 344** Media Advertising Practicum	1 hr
***JOUR* 345** Newspaper Graphics Practicum	1 hr

***JOUR* 360 COMPUTER-ASSISTED REPORTING** **5 hrs**
Study and practice of research methods and writing technique for in-depth reporting on topical issues including public affairs and specialized reporting areas. *Prereq: JOUR 260.*

***JOUR* 375 ADVANCED PUBLICATION DESIGN** **5 hrs**
Application of design principles and desktop publishing techniques in the production of a variety of printed communications including newspaper and magazines. *Prereq: JOUR 175 and 265. Credit not available to students who have completed JOUR 365.*

***JOUR* 390 INDEPENDENT STUDY** **1-5 hrs**
Individual research projects for qualified students. *Prereq: permission of the instructor.*

***JOUR* 460 MAGAZINE FEATURE WRITING AND PUBLISHING** **5 hrs**
This course covers the fundamentals of feature writing and the magazine publishing industry, including how to write features for magazines of all types—from trade

publications to on-line magazines—production processes, magazine print and on-line design, magazine advertising, staffing and organizational issues, legal concerns and ethics. *Prereq: JOUR 160 and 260.*

***JOUR* 490 INTERNSHIP** **1-15 hrs**
Internships are available in a variety of organizations and activities related to the major. Information about available internships and requirements may be obtained from the department office of any faculty member. *Prereq: Permission of a faculty advisor in the department.*

Mass Communication Courses (MCOM)

***MCOM* 110 RADIO/AUDIO PRODUCTION 5 hrs**
Study and practice in operation of radio station equipment: production of broadcast materials using voice, music and sound effects. Includes a discussion of principles of editing, directing and production criticism. Prepares students for on-air assignments with WOBN. *Suggested co-requisite: MCOM 140.*

***MCOM* 120 FUNDAMENTALS OF TELEVISION/VIDEO PRODUCTION 5 hrs**
Introductory course in television and video production theory and techniques. Emphasis on the study of the elements and processes involved in various applications of broadcast and non-broadcast video production. Performance in roles of the television production team. Prepares students for positions with WOCC.

***MCOM* 130 RADIO/TELEVISION PERFORMANCE** **5 hrs**
Study and practice in audio and video performance. Special attention given to news, commercials, and interviewing. Includes work in voice, nonverbal communication, scripting, hand signals and interpretation of copy. *MCOM 110 or 120 recommended.*

***MCOM* 140/141 MASS COMMUNICATION ACTIVITIES SEMINAR**
Individual and group instruction and participation in supervised creative activities. *May be repeated for credit, total credit for activities seminar and Advanced Practicum in Media not to exceed six hours.*

***MCOM* 140 RADIO (WOBN FM)** **1 hr**
***MCOM* 141 TELEVISION (WOCC-TV 3)** **1 hr**

***MCOM* 240/241 BROADCAST MANAGEMENT PRACTICUM**
Practical experience in media management by serving as administrators for the campus radio and TV stations in areas of programming music, news, sports, public service, engineering and public relations. *May be repeated for credit, total credit for activities seminar and Advanced Practicum in Media not to exceed six hours. Prereq: Permission of the department.*

***MCOM* 240 RADIO (WOBN FM) STAFF HEADS** **1 hr**
***MCOM* 241 TELEVISION (WOCC-TV 3) STAFF HEADS** **1 hr**

MCOM 261 COPYWRITING FOR ELECTRONIC MEDIA **5 hrs**
Students will learn concepts, theories and practices associated with various types of short-form writing for audio and video. Emphasis is placed on commercial and promotional copy, public service announcements, fostering client relationships and market considerations. *Prereq: MCOM 110 or 120*

MCOM 265 MEDIA AND SOCIETY **5 hrs**
An examination of the structures, functions, and performance of media institutions. Analysis of contemporary media practices and effects with particular consideration of First Amendment freedoms and communication theory and research. *Prereq: COMM 200.*

***MCOM* 320 ADVANCED VIDEO PRODUCTION** **5 hrs**
Advanced study of theory and practice in video production. Emphases include: aesthetics, single-camera production theory and techniques, non linear editing, post-production, and troubleshooting. *Prereq: MCOM 120.*

***MCOM* 341-349 ADVANCED PRACTICUM IN MEDIA**
Individualized projects, selected in consultation with a faculty member, that provide students with focused, advanced study and practice in one aspect of media. The practicum is designed to build upon the students' experiences gained in media activities and introductory courses. *Prereq: Permission of instructor and either (a) MCOM 110 and 140; or (b) MCOM 120 and 141. Each course may be taken only once for credit.*

***MCOM* 341** WOBN Programming Practicum	1 hr
***MCOM* 342** WOBN Promotions Practicum	1 hr
***MCOM* 343** WOBN Studio/Remote Production Practicum	1 hr
***MCOM* 344** WOBN Station Operations Practicum	1 hr
***MCOM* 345** WOCC Technical Operations	1 hr
***MCOM* 346** WOCC Television News Practicum	1 hr
***MCOM* 347** WOCC Producing Practicum	1 hr
***MCOM* 348** WOCC Station Operations Practicum	1 hr
***MCOM* 349** Research Project in Mass Communication	1 hr

***MCOM* 360 BROADCAST NEWS** **5 hrs**
The study of news gathering, writing and reporting for broadcast production. News programming and news room practices are examined. Students will gain practical experience with WOBN and WOCC News. *Prereq: JOUR 160, MCOM 110 and MCOM 120; or permission of instructor. Not open to students who have received credit for MCOM 340.*

***MCOM* 365 MEDIA CRITICISM AND AUDIENCE ANALYSIS** **5 hrs**
Examination of programming and content development principles and strategies for broadcast and new media, with emphasis on audience appeals, program structures, ratings and other forces influencing media decision-making. *Prereq: MCOM 110 and 140; or MCOM 120 and 141.*

***MCOM* 390 INDEPENDENT STUDY** **1-5 hrs**

Individual research projects for qualified students. *Prereq: Permission of the instructor.*

***MCOM* 410 MEDIA ETHICS AND REGULATION** **5 hrs**

A seminar course which explores issues in media ethics, regulation and law, including the scope of the 1st Amendment; conflicts between free-press and free-trial, obscenity, copyright, etc.; the nature of the regulatory process and social effects of the media. *Prereq: (a) COMM 200 and JOUR 260; or (b) COMM 200, MCOM 110 and MCOM 120; or permission of instructor.*

***MCOM* 450 CASE STUDIES IN MEDIA** **5 hrs**

An analytical examination of contemporary issues and problems confronting media managers. An emphasis on case studies illustrating the interrelationships in a media operation, and the forces influencing decision-making. *Prereq: (a) COMM 200, MCOM 110, a 300-level MCOM practicum and MCOM 120; or (b) COMM 200, JOUR 260 and a 300-level JOUR practicum.*

***MCOM* 490 INTERNSHIP** **1-15 hrs**

Internships are available in a variety of organizations and activities related to the major. Information about available internships and requirements may be obtained from the department office of any faculty member. *Prereq: Permission of a faculty advisor in the department.*

EDUCATION

Deringer (chairperson), Albaugh, Coloma, Constable, Fayne, Hersh, Knobluch, McDaniel, Robinson, Ross, Ryan, Swaim, Weiss.

Mission and Programs

The Education Department serves as the professional education unit of Otterbein College and has been accredited by **NCATE** (National Council for the Accreditation of Teacher Education) since 1967. The unit is committed to providing a coherent teacher education program which fosters critical reflection within a context of collaborative learning and to building a community of life-long learners who can respect diverse perspectives, make informed decisions, and be responsive to the changing needs of children in our society.

Otterbein offers teacher licensure in the following areas:
Early Childhood (PreK - Grade 3)—Candidates select one concentration area
Middle Childhood (Grades 4 - 9)—Candidates select two teaching areas
Adolescence to Young Adult (Grades 7 - 12)

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

Multi-Age (Grades PreK - 12)

- **French Language**
- **Health Education**
- **Music Education**
- **Physical Education**
- **Spanish Language**
- **Visual Arts**

Optional endorsements/license that may be added to standard teaching licenses:

- **Middle Childhood Generalist Endorsement** may be added to a Middle Childhood License to teach all four core subjects in grades 4-6
- **Reading Endorsement** may be added to any standard license
- **Early childhood intervention specialist license** may be added to an Early Childhood License and is valid for teaching learners with mild/moderate/intensive educational needs from ages three through eight and prekindergarten through grade three, and for providing service coordination.

School Nurse: All candidates for the Multi-Age Ohio School Nurse License must hold a license as an RN valid for practice in Ohio. A baccalaureate degree in nursing from an accredited program is also required. See the *Teacher Education Program* booklet for program details. The written approval of the Chair of the Nursing Department is required before applicants can register for classes or the Student Teaching Practicum.

Post-baccalaureate teaching licensure: Graduates holding a non-education baccalaureate degree from an accredited program and wishing to pursue teaching licensure may contact the Education Advisor in the Office of Continuing Studies for information about our post-baccalaureate licensure program. A limited number of applicants are admitted each year.

Master of Arts in Teaching (MAT): Graduates holding a non-education baccalaureate degree from an accredited program and wishing to combine Middle Childhood Licensure (grades 4-9) with a masters program may contact the Education Advisor in the office of Continuing Studies for information about our MAT program. In addition to graduate coursework, candidates must complete two teching areas. Additional information is described in the *Graduate Studies in Educatin Bulletin.*

Master of Arts in Education (MAE): Licensed teachers wishing to pursue a graduate degree in Curriculum and Instruction or Reading may contact the Education Advisor in the Office of Graduate Programs. Additional information is described in the *Graduate Studies in Education Bulletin.*

Admission to Teacher Education: Formal admission to the Teacher Education Program is required and is generally sought during the sophomore year when a student is enrolled in EDUC 200 or 220. Criteria for admission to Teacher Education include:

- ACT scores of 20 or higher in English and Mathematics OR
  SAT scores of 500 or higher in Verbal and Mathematics OR
  Praxis I scores of 172 or higher on Writing and Mathematics
- Positive recommendation from EDUC 160—Study of the School
- Positive recommendation from a member of the Otterbein faculty or staff, chosen by the student
- Overall GPA of 2.5 or higher on all coursework taken, including work from all other institutions
- GPA of 2.5 on all coursework taken in MCHD concentration areas or in AYA or Multi-Age teaching areas
- "C" or better in COMM 100
- Additional information is available in the *Teacher Education Program* booklet, available in the Education Department in Roush Hall, or by calling (614) 823-1214.

B.S.E. degree with a major in Early Childhood Education

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - Educ 470.11, a course required in the major, satisfies this requirement

Requirements in the major (128 or more hrs or equivalent):

- ❑ ART 290 - 5 hrs
- ❑ COMM 100 - 5 hrs
- ❑ EDUC 160 - 4 hrs
- ❑ EDUC 451 - 3 hrs
- ❑ EDUC 465 - 4 hrs
- ❑ EDUC 360 or 365 - 2 hrs

- ❑ EDUC 170 - 5 hrs
- ❑ EDUC 220 - 5 hrs
- ❑ EDUC 230 - 3 hrs
- ❑ EDUC 240 - 4 hrs
- ❑ EDUC 250 - 4 hrs
- ❑ EDUC 320 - 9 hrs
- ❑ EDUC 325 - 5 hrs
- ❑ EDUC 350 - 3 hrs
- ❑ EDUC 470 - 15 hrs
- ❑ EDUC 470.11 - 1 hr
- ❑ HLED 250 - 3 hrs
- ❑ MATH 150 - 5 hrs
- ❑ MATH 270 - 5 hrs
- ❑ MUSC 270 - 5 hrs
- ❑ PHED 211 - 3 hrs
- ❑ INST 130 (or PSYC 100 may be substituted) and INST 160 - 5 hrs (these two courses are actually a total of 10 hours, but five of these hours are already included in the 50 INST hrs shown above in the Core Curriculum)
- ❑ In order to complete the Ohio Department of Education requirement in Reading, students must complete a five hour Reading course beyond the EDUC 170/325/350 core.
- ❑ concentration area in French, Intervention (leading to Early Childhood Intervention Specialist license), Language Arts, Language and Culture of the Deaf Community, Mathematics, Reading (leading to endorsement in reading), Science, Social Studies or Spanish - at least 30 hrs

• Specific courses for the concentration areas are listed in the *Teacher Education Programs* booklet.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.S.E. degree with a major in Middle Childhood Education

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - Educ 471.11, a course required in the major, satisfies this requirement

Requirements in the major (138 or more hrs or equivalent):

- ❑ COMM 100 - 5 hrs
- ❑ EDUC 160 - 4 hrs
- ❑ EDUC 170 - 5 hrs
- ❑ EDUC 200 - 5 hrs
- ❑ EDUC 210 - 2 hrs
- ❑ EDUC 315 - 3 hrs
- ❑ EDUC 335 - 5 hrs
- ❑ MATH 150 - 5 hrs
- ❑ EDUC 340 - 3 hrs
- ❑ EDUC 341 - 3 hrs
- ❑ EDUC 342 - 9 hrs
- ❑ EDUC 360 or 365 - 2 hrs
- ❑ EDUC 363 - 3 hrs
- ❑ EDUC 450 - 3 hrs
- ❑ EDUC 471 - 15 hrs
- ❑ EDUC 471.11 - 1 hr
- ❑ INST 130 (or PSYC 100 may be substituted) - these hours are already included in the 50 INST hrs shown above in the Core Curriculum

- ❑ In order to complete the Ohio Department of Education requirement in Reading, students must complete a five hour Reading course beyond the EDUC 170/335/363 core.
- ❑ two concentration areas of at least 30 hrs each in Language Arts, Mathematics, Science and Social Studies - at least 60 hrs
- Specific courses for the concentration areas are listed in the *Teacher Education Programs* booklet.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Adolescence to Young Adult Licensure (grades 7-12) and Multi-Age Licensure (PreK - 12): Students pursuing teacher licensure for grades 7-12 or PreK - 12 are majors in their teaching area(s), pursuing the appropriate degree for that major, and should refer to major requirements in their department. Requirements for students seeking teacher licensure are listed in the *Teacher Education Program* booklet available in the Education Department, 430 Roush Hall. Requirements for the department major and teacher licensure may differ somewhat, but both must be met to become licensed, and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a students must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

Program Outcome

The programs offered lead to two year provisional early childhood, middle childhood, adolescence to young adult, and multi-age licenses. Programs are designed to meet performance standards in the 10 areas established by the State Board of Education (subject matter, student learning, diversity of learners, planning instruction, instructional strategies, learning environment, communication, assessment, professional development, and student support), to prepare beginning teachers to demonstrate success in each of the 10 areas, and to provide a strong, undergraduate foundation for later graduate work.

Education Courses (EDUC)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391, or 491.

***EDUC* 160 STUDY OF THE SCHOOL** **4 hrs**

This introductory course provides an overview of American education and a preliminary engagement with the teaching profession. Students examine the philosophical, historical, and organizational foundations of education as well as the social, cultural,

and political contexts that shape education. They analyze how educational foundations and societal issues manifest in schools through in-class, field, and clinical experiences. They also learn about the teacher education requirements and the academic content standards. To achieve these course objectives, students lead and participate in discussions, and undertake research, develop strategic proposals, construct multi-media presentations, work with K-12 teachers and students, and critically reflect on their values, experiences, and observations as they consider a career in education. They are expected not only to be engaged learners through close reading of texts and dynamic involvement in class and in the field but also to be analytical stakeholders who understand the various discourses and conditions that affect educational policies, programs, and practices. Seventy hours of field experience in a public school and five clinical hours are required. Course is not open to first quarter freshmen. *Prereq: Overall 2.5 GPA or better and permission of the department. Teacher candidates must achieve a grade of C or better and a positive recommendation to progress in the program.*

***EDUC* 170 PHONICS AND THE STRUCTURE OF LANGUAGE 5 hrs**

This course is designed to introduce students to the teaching of phonics and grammar in the context of reading, writing, and spelling. Students will learn basic terminology, will apply this terminology to instruction, and will develop an understanding of and appreciation for the structure and function of language elements. *Teacher candidates must achieve a grade of C or better.*

***EDUC* 200 EDUCATIONAL PSYCHOLOGY 5 hrs**

A study of physical, cognitive, social/emotional, and moral development and the impact of developmental regularities and variations on classroom practice. Other topics include: behavioral and cognitive views of teaching and learning; planning instruction; motivation; classroom ecology and management; traditional and alternative forms of assessment. A minimum of 20 clock hours of individual tutoring and 10 clinical hours is included. *Prereq: INST 130 and EDUC 160. Teacher candidates must achieve a grade of C or better.*

***EDUC* 210 INTRODUCTION TO EDUCATIONAL TECHNOLOGY 2 hrs**

Introduction to the historical, theoretical, and pedagogical rationales underlying the use of media and technology in the teaching/learning process. Includes technical skills and equipment involving materials production, video production, instructional computing, multimedia, and telecommunications. Twenty-five clock hours of clinical experience are included. *Prereq: EDUC 160 or permission of instructor. Teacher candidates must achieve a grade of C or better.*

***EDUC* 220 PSYCHOLOGY APPLIED TO PRIMARY EDUCATION 5 hrs**

A study of child growth, child development, and the principles of learning applied to early childhood education. Major focus is on using and interpreting informal and formal assessment strategies and communicating assessment data to parents. Developmentally appropriate curricular practices (instruction, materials, and environment) are explored. A minimum of 20 clock hours of field experience with children and 10 clinical hours is included. *Prereq: INST 130 and EDUC 160. Teacher candidates must achieve a grade of C or better.*

***EDUC* 230 TECHNOLOGY AND EARLY CHILDHOOD** **3 hrs**

Course will focus on content and methods for teaching with computers and related technologies in the early childhood classroom. Included will be evaluation of children's software, technology for communication and recordkeeping in early childhood programs, and issues and standards related to young children and technology. Twenty-five clock hours of clinical experience are included. *Prereq: EDUC 160 or permission of the instructor.*

***EDUC* 240 SOCIAL STUDIES IN THE PRIMARY AND INTERMEDIATE CLASSROOM** **4 hrs**

A study of social studies curriculum in primary and intermediate-level classrooms. Grounded in state and national standards, the focus is on the ten curricular strand themes from the National Council for Social Studies curriculum: (1) culture, (2) time, continuity, and change, (3) people, places, and environment, (4) individual development and identify, (5) individuals, groups, and institutions, (6) power, authority, and governance, (7) production, distribution, and consumption (8) science, technology, and society, (9) global connections, and (10) civic ideals and practices. Methodology and materials appropriate for teaching social studies will also be discussed. *Prereq: EDUC 160*

***EDUC* 250 SCIENCE IN THE PRIMARY AND INTERMEDIATE CLASSROOM** **4 hrs**

The course will include reacquainting students with the basic levels of science and the application of the content at developmentally appropriate levels. By using discovery learning, students will clarify the relationship of geography, geology, weather, plants, and animals and how they have influenced the culture of the people who are living in Ohio and other specific geographic locations. Students will learn how to manage science activities in a classroom, integrate technology, and discuss specific science safety issues. The course will include a four-hour field experience in an elementary school. *Prereq: EDUC 160*

***EDUC* 315 INTEGRATING THE ARTS ACROSS THE MIDDLE CHILDHOOD CURRICULUM** **3 hrs**

This studio, group discussion and lecture course will focus on strategies for integrating the visual and performing arts across the curriculum. Students will have an opportunity to practice applications of lesson planning, and to design a thematic unit which relies upon artistic expression on the part of elementary and middle school students. The intent of the course is to help classroom teachers see how the arts can motivate, enrich, and extend instruction in science, mathematics, social studies, and language arts. Students will be asked to spend five hours observing appropriate practice in schools. *Prereq: EDUC 160. Teacher candidates must achieve a grade of C or better.*

***EDUC* 320 EARLY CHILDHOOD CURRICULUM** **9 hrs**

A study of methods and materials which are developmentally appropriate for young children. Major focus is on using strategies and creating environments to encourage children's development. Students will develop an integrated curriculum unit that synthesizes learning activities from the content areas in the early childhood curriculum.

A minimum of 100 clock hours of field experience in an urban early childhood setting is required. Students must have two full days or three half days available per week for the field experience in addition to class time. Twenty-five clinical hours are also included. *Prereq: EDUC 220 and Teacher Education admission. Teacher candidates must achieve a grade of C or better.*

EDUC 325 READING SKILLS AND METHODS FOR EARLY CHILDHOOD 5 hrs

This course is grounded in and builds on knowledge and understanding of the linguistic foundations of literacy and of early childhood development. It focuses on methods, techniques, and materials of literacy instruction and assessment designed to foster pupils' growth toward greater autonomy and maturity as readers and writers. The course emphasizes the thinking processes and decision making responsibilities of teachers as they create literacy learning environments that encourage active engaged learning, identify students' needs, and plan instruction that allows pupils to experience personally meaningful interactions and transactions as both readers and authors of texts across a range of **genres and content areas** and for a variety of purposes. The course includes 15 clinical hours. *Prereq: EDUC 170 and 220. Teacher candidates must achieve a grade of C or better.*

EDUC 335 READING SKILLS AND METHODS FOR MIDDLE CHILDHOOD 5 hrs

This course is grounded in and builds on knowledge and understanding of the linguistic foundations of literacy and of middle childhood/adolescent development. It focuses on methods, techniques, and materials of literacy instruction and assessment designed to foster pupils' growth toward greater autonomy and maturity as readers and writers. The course emphasizes the thinking processes and decision making responsibilities of teachers as they create literacy learning environments that encourage active engaged learning, identify students' needs, and plan instruction that allows pupils to experience personally meaningful interactions and transactions as both readers and authors of texts across a range of genre and for a variety of purposes. The course includes 15 clinical hours. *Prereq: EDUC 200, and EDUC 170 or ENGL 295. Teacher candidates must achieve a grade of C or better.*

EDUC 336 READING FIELD EXPERIENCE 5 hrs

A clinical/field and tutoring experience related to remedial and developmental reading instruction. Minimum of 100 clock hours experience. *Prereq: EDUC 170. Teacher candidates must achieve a grade of C or better.*

EDUC 340 RESPONSIVE SCHOOLS FOR EARLY ADOLESCENCE 3 hrs

Nature and needs of young adolescents, characteristics of responsive schools, resources for the middle child practitioner, and characteristics of effective middle childhood teachers are addressed in depth; reflection on personal beliefs, research, theory, and practice is encouraged. Students design an Advocacy Plan for young adolescents. Teachers serve as mentors for pre-service teachers, providing observation sites in schools, and engaging them in dialogue about critical issues in middle level education. Twenty-five clinical/field hours are required. *Prereq: EDUC 200. Teacher candidates must achieve a grade of C or better.*

***EDUC* 341 CURRICULUM FOR THE MIDDLE GRADES** **3 hrs**
Students look closely at organizational structures of middle schools, including flexible scheduling and teaming, which support student-centered curriculum, and look criti cally at various models of interdisciplinary and integrated curriculum. The role of other stakeholders—students, parents, community members, and State government—in determining curriculum is also examined. Teachers mentor pre-service teachers, providing support for participation on middle level teams. Students focus on the development of an integrated unit. Twenty-five clinical/field hours are required. *Prereq: EDUC 200 and 340. Teacher candidates must achieve a grade of C or better.*

***EDUC* 342.10 MIDDLE GRADES INTERDISCIPLINARY METHODS** **3 hrs**
Students must concurrently enroll in the Interdisciplinary Methods course and in the two content-specific methods courses that reflect their concentration areas:

***EDUC* 342.20 MIDDLE GRADES LANGUAGE ARTS METHODS** **3 hrs**
Topics include, but are not limited to, the structure, construction of meaning, application and multidisciplinary issues of reading, writing, listening, visual literacy, and oral communication for middle grades language arts instruction.

***EDUC* 342.30 MIDDLE GRADES MATH METHODS** **3 hrs**
Topics include, but are not limited to, problem solving, reasoning, communication of mathematical concepts, and the use of manipulatives and technology as they pertain to mathematics in the middle grades mathematics curriculum.

***EDUC* 342.40 MIDDLEGRADES SCIENCE METHODS** **3 hrs**
Topics include, but are not limited to, study of methods by which scientific inquiry and knowledge are presented within the middle grades science curriculum and the conditions under which science learning may be applied.

***EDUC* 342.50 MIDDLE GRADES SOCIAL STUDIES METHODS** **3 hrs**
Topics include, but are not limited to, means by which the themes of American heritage, people in societies, world interactions, decision making and resources, the democratic processes and citizenship rights and responsibilities may be developed within the middle grades social studies curriculum.

In each of these courses students become acquainted with the appropriate Ohio Academic Content Standards, subject matter reflected on proficiency tests, interdisciplinary and subject-specific pedagogy, methods of assessment, and national standards that shape the teaching of the disciplines. Students study and implement long and short-term planning, the use of expository, inquiry, and small group instructional strategies, the use of technology as an instructional resource, and elements of effective classroom management and discipline as they contribute to a sense of positive classroom climate. A minimum of 100 clock hours of a field experience in an urban middle childhood setting is required. Students must have half days available for field assignments. *Prereq: EDUC 340, 341, and Teacher Education admission. Teacher candidates must achieve a grade of C or better.*

***EDUC* 350 LITERATURE-BASED READING INSTRUCTION: CHILDREN'S LITERATURE** **3 hrs**
In this course students will extensively read and study the genres of children's literature. In addition to developing skills necessary for selecting quality, developmentally appropriate literature, students will learn how to use tradebooks to teach emergent

and intermediate reading skills. In addition, students will develop skills to integrate children's literature with a basal reading program and learn techniques for designing an integrated, literature based reading program in their classrooms. *Teacher candidates must achieve a grade of C or better.*

***EDUC* 355 CLASSROOM MANAGEMENT** **3 hrs**

This course focuses on establishing and maintaining a positive and productive learning environment in early childhood classrooms. Topics include classroom ecology, rules and procedures, intervention strategies, special management programs, and home/school communications. Methods for assessing the effectiveness of interventions and/or special programs will also be covered. *Prereq: EDUC 220. Teacher candidates must achieve a grade of C or better.*

***EDUC* 360 MULTICULTURAL EDUCATION** **2 hrs**

Curriculum planning and teaching strategies for culturally diverse student needs. Racism, sexism, diverse learning styles and linguistic variation will be examined. Five clinical hours are included. *Prereq: EDUC 200 or 220. Teacher candidates must achieve a grade of C or better.*

***EDUC* 363 LITERATURE-BASED READING INSTRUCTION: ADOLESCENT LITERATURE** **3 hrs**

This course will require students to read and analyze a wide variety of literature for adolescents from the following perspectives: embedding reading instruction in a meaningful context, importance of reading instruction as a means to access information and enhance the quality of life, providing for differences among learners and how these differences influence reading, understanding the influence on the reading process of what the reader brings to the experience, and exploring strategies to encourage and motivate students to pursue and respond to reading and writing for personal growth and fulfillment. *Prereq: EDUC 200. Teacher candidates must achieve a grade of C or better.*

***EDUC* 365 MULTICULTURAL LITERATURE FOR CHILDREN AND YOUNG ADULTS** **2 hrs**

This course is an exploration of issues related to cultural diversity with the primary tool being literature written for children and young adults. Students will explore their own cultural backgrounds and attitudes. Diversity areas such as race, ethnicity, gender, class, sexual orientation, language, and ableness are examined. Five clinical hours are included. This course may be used as a substitute for EDUC 360. *Prereq: EDUC 350 or 363 or permission of instructor. Teacher candidates must achieve a grade of C or better.*

***EDUC* 370 SECONDARY TEACHING METHODS** **4 hrs**

A study of secondary school curriculum which focuses on short and long term planning (based on principles of best practice and Ohio Academic Content Standards), a variety of instructional strategies, classroom management, and formal/informal assessment strategies. The course includes a minimum of 25 clinical hours in the subject for which licensure is sought. *Prereq: EDUC 200 and Teacher Education admission. Coreq: EDUC 371-378. Teacher candidates must achieve a grade of C or better.*

***EDUC* 371-378 SECONDARY FIELD EXPERIENCES AND SEMINARS**
4-6 hrs

Includes a minimum of 100 clock hours of field experience in the subject for which licensure is sought. Students must have half days free for field assignments. In specified teaching areas, subject specific seminars are also required (see below). Students need to confirm the quarters the courses are offered with the College schedule. *Coreq: EDUC 370. Teacher candidates must achieve a grade of C or better.*

Science:

***EDUC* 371 SCIENCE FIELD EXPERIENCE** **4 hrs**
***EDUC* 371.1 SCIENCE SEMINAR** **2 hrs**

A study of secondary school science teaching methods, including planning and implementing science labs in the science classroom. Includes development of knowledge of the Ohio Academic Science Content Standards, and a focus on conducting lab activities, organizing a science classroom, and integrating other disciplines with science for the secondary student. Students will take this course in conjunction with EDUC 371, Science Field Experience which includes 100 clock hours of field experience in the science classroom. *Teacher candidates must achieve a grade of C or better.*

Mathematics:

***EDUC* 372 MATHEMATICS FIELD EXPERIENCE** **4 hrs**
***EDUC* 372.1 MATHEMATICS SEMINAR** **2 hrs**

A study of secondary school mathematics teaching methods, student assessment and curriculum planning. Includes development of a knowledge of the Ohio Academic Content Standards with a focus on problem solving, mathematical communication and reasoning, connections among mathematical strands and with other disciplines, and real world applications of mathematics for the secondary student. Students will take this course in conjunction with EDUC 372, Mathematics Field Experience which includes 100 clock hours of field experience in the mathematics classroom. *Teacher candidates must achieve a grade of C or better.*

Social Studies:

***EDUC* 374 SOCIAL STUDIES FIELD EXPERIENCE** **4 hrs**
***EDUC* 374.1 SOCIAL STUDIES SEMINAR** **2 hrs**

A study of secondary school social studies teaching methods, student assessment and curriculum planning. Includes development of a knowledge of the Ohio Academic Content Standards with a focus on studying the past and present from multiple perspectives, knowing democratic principles, and valuing civil competence for the secondary student. Students will take this course in conjunction with EDUC 374, Social Studies Field Experience which includes 100 clock hours of field experience in the social studies classroom. *Teacher candidates must achieve a grade of C or better.*

Language Arts:

***EDUC* 375 INTEGRATED LANGUAGE ARTS FIELD EXPERIENCE**
4 hrs
***EDUC* 375.1 INTEGRATED LANGUAGE ARTS SEMINAR** **2 hrs**

A study of secondary school language arts teaching methods, student assessment and curriculum planning. Includes development of a knowledge of the Ohio Academic Content Standards with a focus on reading, writing, literature and speaking for the

secondary student. Students will take this course in conjunction with EDUC 375, Integrated Language Arts Field Experience which includes 100 clock hours of field experience in the language arts classroom. *Teacher candidates must achieve a grade of C or better.*

Visual Arts:

***EDUC* 376 VISUAL ARTS FIELD EXPERIENCE** **4 hrs**

***EDUC* 376.1 VISUAL ARTS SEMINAR** **2 hrs**

A study of secondary school visual arts teaching methods, student assessment and curriculum planning. Includes development of a knowledge of the state curriculum model with a focus on developing creative problem solving, studio techniques, personal expression, and critical response for the secondary student. Students will take this course in conjunction with EDUC 376, Visual Arts Field Experience which includes 100 clock hours of field experience in the visual arts classroom. *Teacher candidates must achieve a grade of C or better.*

Health/Physical Education:

***EDUC* 377 HEALTH/PHYSICAL EDUCATION FIELD EXPERIENCE** **4 hrs**

Students will take this course in conjunction with EDUC 370, Secondary Teaching Methods. The course includes 100 clock hours of field experience in the health/physical education classroom. *Teacher candidates must achieve a grade of C or better.*

Foreign Language

***EDUC* 378 FOREIGN LANGUAGE FIELD EXPERIENCE** **4 hrs**

Students will take this course in conjunction with EDUC 370, Secondary Teaching Methods. The course includes 100 clock hours of field experience in the foreign language classroom. *Teacher candidates must achieve a grade of C or better.*

***EDUC* 380 LITERACY IN CONTENT AREAS** **5 hrs**

Current trends in content area reading and in content area literacy, grades K-12; classroom practices in content area reading; strategies which help improve vocabulary, comprehension, thinking and study skills, and writing across the curriculum; personal and professional literacy; working with students with limited English proficiency. Fifteen clinical hours are included. *Prereq: EDUC 200. Teacher candidates must achieve a grade of C or better.*

***EDUC* 390 INDEPENDENT STUDY** **1-5 hrs**

Individual or group research or practicum in education. May be repeated. Permission of the department required. *Teacher candidates must achieve a grade of C or better.*

***EDUC* 400 INDIVIDUAL FIELD EXPERIENCE** **1-4 hrs**

A field experience involving work with children in schools, planned to meet state licensure requirements and individual goals of participants. Students meet in a weekly seminar and all work is approved, supervised, and evaluated by the seminar instructor. One quarter hour of credit is equal to 25 clock hours of field experience in schools. *Teacher candidates must achieve a grade of C or better.*

***EDUC* 410.10 STUDENT TEACHING, AYA OR MULTI-AGE** **15 hrs**

Teaching experience in schools under the supervision of cooperating school teachers and a College supervisor. Pre-service teachers will participate in all aspects of school life including curriculum design, student assessment, classroom management, teaching methodologies and professional development. Students will need to demonstrate competence in all 10 program standards in order to complete student teaching successfully. Includes 300 clock hours, 10 weeks full time, of field experience. No prepared course work should be taken with student teaching unless it is part of a continuing teaching internship. This course requires a capstone portfolio and fulfills the College's Senior Year Experience requirement. *Prereq: EDUC 370 or MUSC 370, 375, 380 and recommendation of Education Department. Coreq: EDUC 410.11. Teacher candidates must achieve a grade of C or better.*

***EDUC* 410.11 SENIOR YEAR EXPERIENCE SEMINAR** **1 hr**

Coreq: EDUC 410.10.

***EDUC* 410.20 STUDENT TEACHING AT McCURDY, AYA OR MULTI-AGE** **15 hrs**

A selective student teaching experience in New Mexico. Students must apply during junior year. See the Education Department for information. *Coreq: EDUC 410.21.*

***EDUC* 410.21 SENIOR YEAR EXPERIENCE AT McCURDY** **1 hr**

Coreq: EDUC 410.20.

***EDUC* 440 READING DIAGNOSIS AND CORRECTION** **5 hrs**

A study of techniques and instruments of reading assessment and planning individualized corrective programs in reading. Twenty-five hours of clinical and simulated teaching experiences required. *Prereq: EDUC 325 or 335. Teacher candidates must achieve a grade of C or better.*

***EDUC* 450 EXCEPTIONAL CHILDREN** **3 hrs**

A study of the needs of children with special needs, including children who are gifted and children with language, orthopedic, physical, mental and emotional disabilities. Techniques of including exceptional children in regular classrooms will be explored. Includes 25 clock hours of clinical or field experience. *Prereq: EDUC 200. Note: Not required of students with credit in PHED 360 Adapted Physical Education. Teacher candidates must achieve a grade of C or better.*

***EDUC* 451 INCLUDING CHILDREN WITH SPECIAL NEEDS IN THE EARLY CHILDHOOD CLASSROOM** **3 hrs**

A study of the needs of children with special needs, including children who are gifted and children with language, orthopedic, physical, mental and emotional disabilities. Techniques of including exceptional children in regular classrooms will be explored. Includes 25 clock hours of field experience. *Prereq: EDUC 220. Teacher candidates must achieve a grade of C or better.*

***EDUC* 455 EARLY CHILDHOOD SPECIAL EDUCATION** **9 hrs**

This course provides an in-depth study of legislation, rules, and regulations applicable to early childhood special needs populations; the nature and needs of mild, moderate,

and severely disabled young children; service delivery options for young children with special needs; and intervention strategies designed to serve special needs populations and their families. Students will be required to spend 100 hours in the field. Completion of student teaching is recommended as a prerequisite for all students. The course is offered only in the Spring Quarter. *Prereq: EDUC 451. Teacher candidates must achieve a grade of C or better.*

***EDUC* 460 READING RESEARCH** **3 hrs**

A study of research findings and current literature on the psychology and teaching of reading. *Prereq: EDUC 325 or 335, and 440. Teacher candidates must achieve a grade of C or better.*

***EDUC* 465 TEAMING: COLLABORATION AND CONSULTATION IN EARLY CHILDHOOD EDUCATION** **4 hrs**

This course is designed to help students learn to function on educational teams by exposing them to collaboration and consultation models in the literature and in the field. Students will learn how to establish and maintain positive, collaborative relationships with families, colleagues, and professionals from the larger community. Emphasis is placed on communication skills, knowledge of community resources, and family systems theory. A field placement in a school or agency dealing with preschool youngsters is required. Students should have two mornings available for the field placement. *Prereq: EDUC 220. Teacher candidates must achieve a grade of C or better.*

***EDUC* 470.10 STUDENT TEACHING, EARLY CHILDHOOD** **15 hrs**

Teaching experience in an early childhood setting (grades PK-3) under the supervision of a cooperating teacher and a College supervisor. Pre-service teachers will participate in all aspects of school life including curriculum design, student assessment, classroom management, teaching methodologies and professional development. Students will need to demonstrate competence in all 10 program standards in order to complete student teaching successfully. Includes 300 clock hours, 10 weeks full time, of field experience. No prepared course work should be taken with student teaching unless it is part of a continuing teaching internship. This course requires a capstone portfolio and fulfills the College's Senior Year Experience requirement. *Prereqs: EDUC 320 and recommendation of department. Coreq: EDUC 470.11. Teacher candidates must achieve a grade of C or better.*

***EDUC* 470.11 SENIOR YEAR EXPERIENCE SEMINAR** **1 hr**

Coreq: EDUC 470.11.

***EDUC* 470.20 STUDENT TEACHING AT McCURDY, EARLY CHILDHOOD** **15 hr**

A selective student teaching experience in New Mexico. Students must apply during junior year. See the Education Department for information. *Prereq: EDUC 320 and recommendation of Education Department. Coreq: EDUC 470.21.*

***EDUC* 470.21 SENIOR YEAR EXPERIENCE SEM. AT McCURDY** **1 hr**

Coreq: EDUC 470.20.

***EDUC* 470.30 STUDENT TEACHING IN ENGLAND, EARLY CHILDHOOD** **15 hrs**

A selective student teaching experience in England. Students must apply during junior year. See the Education Department for information. *Prereq: EDUC 320 and recommendation of Education Department. Coreq: EDUC 470.31.*

***EDUC* 470.31 SENIOR YEAR EXPERIENCE SEM. IN ENGLAND** **1 hr**

Coreq: EDUC 470.30.

***EDUC* 471.10 STUDENT TEACHING, MIDDLE CHILDHOOD** **15 hrs**

Teaching experience in grades 4-9 under the supervision of a cooperating teacher and a College supervisor. Pre-service teachers will participate in all aspects of school life including curriculum design, student assessment, classroom management, teaching methodologies and professional development. Students will need to demonstrate competence in all 10 program standards in order to complete student teaching successfully. Includes 300 clock hours, 10 weeks full time, of field experience. No prepared course work should be taken with student teaching unless it is part of a continuing teaching internship. This course requires a capstone portfolio and fulfills the College's Senior Year Experience requirement. *Prereq: EDUC 342 and recommendation of the department. Coreq: EDUC 471.11. Teacher candidates must achieve a grade of C or better.*

***EDUC* 471.11 SENIOR YEAR EXPERIENCE SEMINAR** **1 hr**

Coreq: EDUC 470.10.

***EDUC* 471.20 STUDENT TEACHING AT McCURDY, MIDDLE CHILDHOOD** **15 hrs**

A selective student teaching experience in New Mexico. Students must apply during junior year. See the Education Department for information. *Prereq: EDUC 342 and recommendation of the department. Coreq: EDUC 471.21.*

***EDUC* 471.21 SENIOR YEAR AT McCURDY, MIDDLE CHILDHOOD** **1 hr**

Coreq: EDUC 471.20.

***EDUC* 480 READING PRACTICUM** **4 hrs**

A capstone practicum for the Reading Endorsement. Students are assigned to classrooms for a minimum of 100 clock hours, attend weekly seminars, and participate in action research. *Prereq: EDUC 325 or 335, and 440. Teacher candidates must achieve a grade of C or better.*

***EDUC* 490 TEACHING INTERNSHIP** **5-15 hrs**

Teaching experience in elementary, middle, or secondary schools under contract to the school and supervised by a cooperating school teacher and a College supervisor. Applicants must be approved by the department and by the cooperating school district. *Teacher candidates must achieve a grade of C or better.*

ENGLISH

Eisenstein (chairperson), Ashworth, Bowman, Chaney, Daugherty, Frick, Gorman, Hermsen, Johnson, Joshi, Kengla, Koehler, Lakanen, Prindle, Smith

Mission and Programs

The mission of the English Department is to enhance the understanding and pleasure gained from the reading of literature and to make available the satisfaction and achievements of good writing for all students at a liberal arts college. Our discipline stresses careful reading, informed criticism, and imaginative creation of works of literature in English. Through our sponsorship of the Writers Series, our guidance for the student literary magazine (Quiz and Quill), and our participation in the freshman Common Book Program, we act as advocates for literary creativity for the college as a whole. Students and faculty together form a community of writers and scholars, and our mission, in the broadest sense, is to foster the development of that community and the activities of writing and scholarship that keep it alive.

Within our broad mission, we have three related commitments: to our majors in the discipline of English, who may specialize in creative writing or in literary studies; to future English teachers in secondary schools, who take their professional disciplinary preparation in this department; and to all students through the three composition and literature courses of the Integrative Studies program as well as through English elective courses. For all of these students, we are committed to classrooms of open discussion and to an emphasis on critical inquiry and creativity.

The department views both the reading and writing of literature as means to understanding ourselves, human life, and the patterns and ideas of human cultures. We see literature as a kind of knowledge, as a liberating process, and as the product of both individual vision and cultural assumptions. Writing is a generative activity, one that helps individuals to find their own stories as well as to think through and express their own positions. Our discipline is about appreciating the writer's craft and the creative process by which literary art is achieved; and it is about reading works of literary art as windows into personal cultural discovery.

B.A. degree with a major in English

Requirements in the Core Curriculum:

- ❑ Integrative Studies – 50 hrs (specifics on p. 13)
- ❑ Foreign Language – 10 hrs (specifics on p. 15)
- ❑ Mathematics – 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series – 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 46 hrs but usually in range of 46-51):

Majors must select either the literary studies or the creative writing concentration.

1. **English Major with Literary Studies concentration**
   - ❑ five foundation courses: ENGL 155; 190; 210; 215 or 250; and 220 or 255 (must take either 250 or 255) - 25 hrs

- ❑ one diversity course from among ENGL 230, 231, 232, 233, 333 and 334 - 5 hrs
- ❑ two advanced courses from among ENGL 325, 333, 334, 340, 355 and 381(some of these courses are repeatable, but may only be counted once toward meeting this requirement) - 10 hrs
- ❑ one Shakespeare course, ENGL 350 - 5 hrs
- ❑ the senior capstone, ENGL 400; or EDUC 410 & 411 for students seeking
- ❑ Integrated Language Arts teacher licensure - 5 or 16 hrs
- ❑ one senior portfolio project, ENGL 401 - 1 hr
- ❑ above hours must total a minimum of 46

- Students pursuing the literary studies concentration are encouraged to take all five survey courses (210, 215, 220, 250, 255) and to take several addi tional electives, particularly at the advanced level. At least one writing course (ENGL 260, 261, 262, 263, 265, 335) is strongly advised. Interdis ciplinary clusters of courses, reflecting student interest, are also available. Consultation with the student's advisor is essential.
- Students planning to teach should take the Literary Studies concentration. They may use successful completion of EDUC 410.10 and 410.11 as a substitute for ENGL 400 to complete their major. Note that additional courses in English, Education, and other areas are required for licensure in Integrated Language Arts. See Education Department handbook, *Teacher Education Programs*.

2. English Major with Creative Writing concentration

- ❑ two foundation courses: ENGL 155 and 160 - 10 hrs
- ❑ two writing courses from among ENGL 260, 261, 262, 263 and 265 (can not count both 262 and 265) - 10 hrs
- ❑ one diversity course from among ENGL 230, 231, 232, and 233 - 5 hrs
- ❑ one literature course from among ENGL 210, 215, 220, 250, 255 and 295 - 5 hrs
- ❑ one advanced writing course from among ENGL 360, 361, 362 and 363 - 5 hrs
- ❑ one advanced literature course from among ENGL 325, 333, 334, 340, 350, 355 and 381 - 5 hrs
- ❑ one senior writing project, ENGL 460 - 5 hrs
- ❑ one senior portfolio project, ENGL 401 - 1 hr
- ❑ above hours must total a minimum of 46

- English writing majors are strongly encouraged to take additional litera ture and writing courses, and to explore the college's many professional writing courses offered through the journalism program.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Regis trar's Office two terms prior to the term in which the degree is to be com pleted.

Minor in English

Required (at least 25 hrs):

- ❑ ENGL 155
- ❑ At least 5 hrs of ENGL at 300/400 level except 390, 400, 401 and 460
- ❑ Remaining hours from any other ENGL courses except 294, 390, 400, 401 and 460.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Integrated Language Arts Teacher Licensure (grades 7-12): Students should follow the English **Literary Studies concentration** to complete teacher licensure, but must take additional hours in English beyond the major. Requirements for students seeking English/Language Arts teacher licensure are listed in the *Teacher Education Programs* handbook available from the Education Department. Requirements for the English major and teacher licensure must be met to become licensed, and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

Program Outcome

English Department courses aim to provide students with a broad knowledge base in literary and humanistic studies, to help them build key skills for graduate school and professional work, and to give them a strong sense of multiculturalism and social awareness.

The Literary Studies concentration may lead to careers that require skills in research, reading, synthesis, and evaluative thinking. The Creative Writing concentration may lead to careers that require skills in imparting information, editing, and imaginative self-expression. The English major is highly compatible with such professions as teaching, law, ministry, library science, publishing, advertising, and free-lance writing.

English Courses (ENGL)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

ENGL 155 WORDS AND FORMS: AN INTRODUCTION TO THE LITERARY IMAGINATION **5 hrs**

Entry-level course for both the Literary Studies and the Creative Writing concentrations. Emphasizes the fundamentals of literary language, style, and genre and the importance of close reading for literary analysis.

ENGL 160 INTRODUCTION TO CREATIVITY AND WRITING **5 hrs**

An introductory writing course for majors and non-majors; introduces students to ideas about creativity in writing, with connections to other art forms, and to each of the four writing specialties in the English major (poetry, fiction, nonfiction, and drama), with writing exercises and practice in these genres. *Prereq: ENGL 155 or permission of instructor.*

ENGL 180 READING COURSE **2 hrs**

Topic and professor change quarterly. Each offering focuses on a particular author, genre, or topic not provided by the department's regular curriculum. Topics have included: Novels Writing History, Gay and Lesbian Lives, Shakespeare's Contemporaries, Personal Essays, Forgotten Classics, Dostoevsky's *The Brothers Karamazov*. Check department and registrar for specifics each year. Course meets once a week, emphasizes reading and small group discussion, and may include a limited amount of writing (e.g. a journal or reflective take-home final essay). Non-majors, literature majors and writing majors are all welcome. *No Prereq. May be repeated for credit.*

ENGL 190 LITERATURE: READING, INTERPRETATION, CRITICISM **5 hrs**

Foundation for the literary studies concentration and introduction to literary study as a discipline. A variety of works from different genres (poetry, short fiction, drama) will be studied in depth. Students will write literary essays and reviews as well as learn to read literary criticism. *Prereq: ENGL 155 or permission of instructor.*

ENGL 210 ENGLISH LITERATURE THROUGH 1660 **5 hrs**

A survey of English literature beginning with Anglo-Saxon writers and concluding with Milton. Emphasizes literary and cultural history and developing literary styles. *Prereq: ENGL 155.*

ENGL 215 ENGLISH LITERATURE FROM 1660 THROUGH 1900 **5 hrs**

A survey of English literature from the Restoration through the Romantic and Victorian Eras. Emphasizes developments in Neoclassical verse and satire, in Romantic and Victorian verse, in literary prose, and the novel. *Prereq: ENGL 155.*

ENGL 220 ENGLISH LITERATURE FROM 1900 TO THE PRESENT **5 hrs**

A survey of English literature of the 20th and 21st centuries with emphasis on modernism and postmodernism and attention to the diverse literatures in the English language. Genres include essays, short fiction, drama, poetry, and the novel. *Prereq: ENGL 155.*

***ENGL* 230 AFRICAN-AMERICAN LITERATURE** **5 hrs (alt. yrs.)**
An exploration of the tradition of African-American literature from slave narratives to the present. The course includes intensive study of at least one major author in this tradition. Alternates with ENGL 334. *Designed for non-majors as well as majors.*

***ENGL* 231 WOMEN WRITERS** **5 hrs (alt. yrs.)**
An exploration of the tradition of English and American women writers with primary concentration on authors from 1750 to the present. The course includes the intensive study of at least one major writer in this tradition. *Designed for non-majors as well as majors.*

***ENGL* 232 DIVERSE AMERICAN LITERARY TRADITIONS** **5 hrs**
Study of significant literary works from one particular North-American minority tradition. Traditions from which the course topic may be chosen include such possibilities as: Native American, Jewish, Appalachian, Asian, Hispanic, gay and lesbian literatures. The course focuses on one specific literary tradition in depth; it is not a survey of all such traditions. Alternates with ENGL 333. *Designed for non-majors as well as majors. May be repeated to a maximum of 15 credits when offered with a different topic.*

***ENGL* 233 MYTH, FOLKLORE, AND LITERATURE** **5 hrs**
An exploration of the forms and significances of myth, fairy tales, traditional oral tales and heroic legends, and of major literary works, such as *The Odyssey*, which grow out of the oral tradition. Connections may be made to contemporary artists who consciously use traditional and mythic materials. *Designed for non-majors as well as majors.*

***ENGL 250* AMERICAN LITERATURE THROUGH 1865** **5 hrs**
Readings in American literature from the Colonial era through the age of Romanticism. Genres include histories, journals, essays, Native American legends, captivity narratives, slave narratives, short fiction, the novel, and lyric poetry. *Prereq: ENGL 155.*

***ENGL* 255 AMERICAN LITERATURE FROM 1865 TO PRESENT** **5 hrs**
Major writers in American literature from the Age of Realism to the present with attention to the revision of the canon. Genres include essays, short fiction, drama, poetry, and the novel. *Prereq: ENGL 155.*

***ENGL* 260 POETRY WRITING** **5 hrs**
Instruction in poetic techniques through exercises that explore specific problems; exercises will lead to the writing of poems; discussion and critique of both published and student writing by instructor and peers. *Prereq: ENGL 160 or permission of department chairperson.*

***ENGL* 261 FICTION WRITING** **5 hrs**
Instruction in fiction writing techniques through exercises that explore specific problems; exercises will lead to the writing of short stories; discussion and critique of both published and student writing by instructor and peers. *Prereq: ENGL 160 or permission of department chairperson.*

ENGL 262 NONFICTION WRITING **5 hrs**

Instruction and practice in nonfiction writing with special emphasis on the writing of essays and articles; also instruction in research techniques; experimentation with a variety of prose techniques; discussion and critique of both published and student writing by instructor and peers. *Prereq: ENGL 160 or permission of department chairperson.*

ENGL 263 PLAYWRITING **5 hrs**

Instruction and practice in the writing of drama including planning scenarios, presenting scenes in class workshops and drafting a play; with emphasis on critiquing of student's work by instructor and peers. *Prereq: ENGL 160 or permission of department chairperson.*

ENGL 265 WRITING LIFE STORIES: THE POWER OF NARRATIVE **5 hrs**

In this course, students both read and write in one of the forms of nonfiction—the memoir. Memoir includes important events, significant viewpoints, or selected memories from a writer's life. Students will write their own memoirs to achieve self-discovery and explore new writing forms. Course is designed for students in any major.

ENGL 275 FILM AND LITERATURE **5 hrs**

This course focuses on the discussion and interpretation of film and literature as distinct—yet related—artistic forms. Readings and screenings will aim to develop understanding of the technical aspects of film, the conventions of particular genres, the role of the director as auteur/author, and the relationship of novels and films with the historical periods from which they emerge. Particular attention is given to the way literature is adapted into film and the way such adaptations produce different results with similar content. *Prereq: sophomore standing.*

ENGL 294 LITERARY MAGAZINE PRACTICUM **1 hr**

Supervised work, including choosing and editing copy and designing layouts, for the student literary magazine. Students attend weekly staff meetings and edit and publish the Quiz and Quill. *Enrollment is by permission of instructor only. May be repeated for credit (to a total of 6 hrs). Does not fulfill the publications practicum for journalism and public relations majors.*

ENGL 295 LINGUISTICS **5 hrs**

An introduction to the study of language, including attention to morphology, syntax, semantics, phonetics, language in society, the history of English, Black English and other dialect forms, and psycholinguistics (including the child's acquisition of language).

ENGL 325 STUDIES IN LITERATURE AND CULTURE **5 hrs**

Intensive study of the intersection of literature and culture at particular historical moments. Topics change annually, and may focus on a period (e.g., the 18th century, the Romantic period), a movement (e.g., American naturalism, postmodernism), or a topic (e.g., literature and the Holocaust, the city in Victorian literature). *Prereq.:*

two from ENGL 210, 215, 220, 250, 255; or permission of the instructor. May be repeated once for credit when offered with a different topic.

***ENGL* 333 STUDIES IN WORLD LITERATURES** **5 hrs**
Study of a major modern non-Western literature (e.g., African, Caribbean, Indian) in English or a major world literature in translation. The course focuses on one particular tradition, with emphasis on modern and contemporary works; the specific tradition studied will vary from year to year. Alternates with ENGL 232. *Designed for non-majors as well as majors. May be repeated to a maximum of 15 credits with a different topic.*

***ENGL* 334 HARLEM RENAISSANCE** **5 hrs (alt. yrs.)**
This course examines the literary output of a number of black writers and intellectuals who gravitated to Harlem in the 1920s and 1930s. The Harlem Renaissance also examines a variety of genres—poetry, short stories, essays, and novels, revealing the social, political, and cultural impact of the movement, both within the United States and abroad. In addition, the course examines the period as a forerunner of the Black Awareness Movement of the 1960s.

***ENGL* 335 BUSINESS AND TECHNICAL WRITING** **5 hrs**
Study and practice in writing for the world of work. Assignments include such writing as: letters, memos, proposals, instructions and manuals, and formal reports. Open to students in all majors.

***ENGL* 340 STUDIES IN MAJOR AUTHORS** **5 hrs**
Intensive study of an author writing in English; one year the author chosen will be from the period after 1900, the next from a period before 1900. Occasionally the course may center around a pair of authors or require supplementary reading in a second author. Readings will focus on the author's works, but will include materials about the author's life as well as context and criticism about the author's work. Offered every other year. See department chairperson for author selected. *Prereq.: two from ENGL 210, 215, 220, 250, 255; or permission of the instructor. May be repeated once for credit when offered with a different author.*

***ENGL* 350 SHAKESPEARE** **5 hrs**
Intensive study of Shakespeare's plays, including attention to his development as dramatist, the Elizabethan context for his works, and the nature of Elizabethan theatrical performance. Representative works from the histories, comedies, tragedies, and late romances will be chosen, with the exact selection varying from year to year.

***ENGL* 355 STUDIES IN LITERARY AND CRITICAL THEORY** **5 hrs**
An investigation of significant theoretical approaches to literature. Course provides focused study of key aspects of issues in literary theory. Readings and discussions will emphasize the core assumptions, reading strategies, and political concerns of various critical models. Offered every other year. *Prereq.: two from ENGL 210, 215, 220, 250, 255; or permission of the instructor. May be repeated once for credit when offered with a different topic.*

***ENGL* 360 ADVANCED POETRY WRITING SEMINAR** **5 hrs**
Further practice in the writing of poetry; weekly small-group discussion sessions and individual meetings with the instructor; discussions will focus on student writing and on the work of published writers; will be offered in the same term as English 260; limited enrollment. *Prereq: ENGL 260.*

***ENGL* 361 ADVANCED FICTION WRITING SEMINAR** **5 hrs**
Further practice in the writing of fiction; weekly small-group discussion sessions and individual meetings with the instructor; discussions will focus on student writing and on the work of published writers; limited enrollment. *Prereq: ENGL 261.*

***ENGL* 362 ADVANCED NONFICTION SEMINAR** **5 hrs**
Further practice in the writing of nonfiction; weekly small-group discussion sessions and individual meetings with the instructor; discussions will focus on student writing and on the work of published writers; limited enrollment. *Prereq: ENGL 262 or 265.*

***ENGL* 363 ADVANCED PLAYWRITING SEMINAR** **5 hrs**
Further practice in the writing of drama; weekly small-group discussion sessions and individual meetings with the instructor; discussions will focus on student writing and on the work of published writers; limited enrollment. *Prereq: ENGL 263.*

***ENGL* 375 TEACHING CREATIVE WRITING IN THE COMMUNITY** **5 hrs**
Students will work in groups of two or three to lead weekly workshops in creative writing for groups of children or teens at elementary schools, residential homes or other community sites; the enrolled students and the instructor will also meet weekly to plan the workshops and to discuss what they are learning through this work. *Prereq: ENGL 260, 261, 262, or 263. An interview with the instructor prior to enrollment is required.*

***ENGL* 381 STUDIES IN LITERARY GENRES** **5 hrs**
Intensive study of one of the major literary genres: fiction, nonfiction, poetry, or drama. Course will include the development of the genre, significant contemporary examples of the genre, and critical theories about the genre. The specific genre to be studied will change annually; see department chairperson for schedule. *Prereq: two from ENGL 210, 215, 220, 250, 255; or permission of the instructor. May be repeated once for credit when offered with a different topic.*

***ENGL* 390 INDEPENDENT STUDY** **1 to 5 hrs**
Independent study in literature or in writing. *Permission of instructor and of department chairperson required.*

***ENGL* 400 SENIOR LITERATURE SEMINAR** **5 hrs**
A seminar aimed at creating a research community for senior literary studies majors who must sustain a full-length research project on an author or a topic. Students meet several times a quarter over three quarters for a total of 5 credit hours (0 hours, 2 hours, 3 hours), with a grade given each quarter. Fall quarter is devoted to choosing

one's author or topic, learning more about research, and planning; winter quarter is devoted to developing a working bibliography, reading and researching, and writing a project draft; spring quarter is devoted to completing the research project, presenting the project to the seminar, and reading from the project in a final meeting open to the department. Each student works individually with a director and reader, and a workshop coordinator plans seminar meetings and facilitates the projects. The final project includes a written commentary by the student on his/her research and work. *Prereq: ENGL 190; three from ENGL 210, 215, 220, 250, 255; and senior standing.*

***ENGL* 401 SENIOR PORTFOLIO PROJECT** **1 hr**

The Senior Portfolio Project requires both literary studies and creative writing majors to create, edit, and select a sampling of their best work over a four-year period. Majors select at least five samples of work derived from specific courses and interests within their majors, and are also encouraged to select work which is created in fields other than their majors. Students must include an essay with the completed portfolio which demonstrates their own insights into the submitted work and their evaluation of themselves as thinkers, writers, and editors. *Prereq: Senior standing.*

***ENGL* 460 SENIOR WRITING PROJECT** **5 hrs**

Both an individualized tutorial project and a seminar that will meet throughout the three quarters of the student's senior year. The seminar will create a community for support of individual writers. The project will focus on the student's creation of a substantial body of writing in the chosen writing specialty. Emphasis in the first two quarters will be on the creation of a prospectus and on drafting; in the final quarter, on the completion of the writing, and on revising and critiquing with the faculty director and reader, as well as with peers in the seminar. The final project will include a written commentary by the student on his or her own work. A grade will be given each quarter. *Prereq: senior standing.*

***ENGL* 490 INTERNSHIP** **1-15 hrs**

ENVIRONMENTAL STUDIES

Lescinsky (coordinator) and members of various departments.

The **Environmental Studies** minor, an interdisciplinary field of study, emphasizes a broad understanding of contemporary environmental problems. The goal of the program is to encourage the development of the knowledge base and problem solving skills necessary for success in careers directed at solving contemporary environmental problems. The program offers a minor in Environmental Studies. The minor enables students preparing for careers in environmental law, journalism, science, and other environmental areas to integrate an environmental focus into their programs of study.

Minor in Environmental Studies

Required (at least 5 courses)

Environmental Studies (take both)

- ❑ ENST 101 - Introduction to Environmental Studies 5 hrs
- ❑ ENST 401 - Advanced Environmental Studies 5 hrs

Humanities (take at least one)

- ❑ PHIL 280 - Environmental Philosophy 5 hrs
- ❑ P SC 370 - Environmental Law and Politics 5 hrs

Natural Sciences (take at least one)

- ❑ E SC 205 - Environmental Geology 5 hrs
- ❑ L SC 204 - Environmental Biology 5 hrs

Social Sciences (take at least one)

- ❑ ECON 425 - Environmental Economics 5 hrs
- ❑ PSYC 300 - when topic is Environmental Psychology 5 hrs
- ❑ SOCL 295 - Environmental Sociology 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Descriptions of courses other than environmental studies are listed under their respective home departments in this section of the catalog. Course prefixes (PHIL, P SC, etc.) and the home departments to which they are assigned are identified on p. 28).

Environmental Studies (ENST)

***ENST* 101 INTRODUCTION TO ENVIRONMENTAL STUDIES** **5 hrs**

An introduction to the nature, origins, and potential solutions of environmental problems. The course draws upon principles of ecology and economics, as well as the physical sciences and the humanities. Hands on experiences, including an analysis of campus ecology and field trips exploring both pristine and damaged regions of our environment are emphasized.

***ENST* 390 INDEPENDENT STUDY** **1-5 hrs**

Independent study. Opportunity for work in topics of special interest. *Prereq: Permission of Instructor.*

***ENST* 401 ADVANCED ENVIRONMENTAL STUDIES** **5 hrs**

This course examines a current topic of environmental importance with a team of faculty representing several of the academic divisions: natural sciences, professional studies, humanities, arts, and social sciences. The course consists of multidisciplinary readings and seminars. ENST 401 is open to all senior students, and it is required as the capstone experience for students completing the environmental studies minor. ENST 401 also fulfills the SYE requirement.

***ENST* 490 INTERNSHIP** **1-15 hrs**

Internships are available to qualified students upon submission of a written proposal. Application to the Environmental Studies coordinator must be made one term in advance of the internship.

EQUINE SCIENCE

Calderone, M. (chairperson), Cryan, McNutt, Mulherin, Pratt, Schmall.

Mission and Programs

The Department of Equine Science provides a comprehensive educational experience for students pursuing careers as professionals in the equine industry. The theory and analysis of academic studies are balanced by practical experience. Throughout, ethics and personal responsibility are strongly emphasized.

Instruction centers on intensive classroom effort, its practical application, and the opportunity for personal involvement in the various facets of the equine industry. Development of students as members of and contributing participants to the larger human community are oriented by commitments to:

- practical application of academic principles
- student exposure to a variety of components of the equine industry, including the competitive environment
- ongoing program development designed to share the unique capabilities of our facilities, our horses, and our students with the general community in response to its health and social needs
- undergraduate research opportunities in nutrition, exercise physiology, and molecular genetics as well as current legal, business and ethical issues

The **Equine Administration** interdisciplinary major draws on courses from the following departments: Equine Science; Business, Accounting and Economics; Communications; English; and Computer Science. It is designed for the student whose primary interest is in equine-related businesses that do not necessarily involve a majority of horse contact.

Equine Facility Management is recommended for those students interested in pursuing a career managing an equine facility. It requires a significant amount of practical training, combined with intensive study of business management principles.

The **Equine Science Preveterinary Medicine/Pregraduate Studies** major is designed to prepare students for entry into graduate school programs and colleges of veterinary medicine.

Equine Health Technology, for the student who plans to become a Registered Veterinary Technician with an emphasis on horses, is derived from an articulation agreement between Columbus State Community College's Veterinary Technology Program, and Otterbein's Department of Equine Science. At the end of four years with the successful completion of requirements from both institutions, the student will receive the Associate of Applied Science degree from Columbus State Community College, the Baccalaureate degree from Otterbein College and registration as a Veterinary Technician by the Ohio Veterinary Medical Licensing Board. Columbus State Community College's Veterinary Technology Program is accredited by the American Veterinary Medical Association. Students complete half of their clinical experience at The Ohio State University Veterinary Teaching Hospital and half at a veterinary medical practice. Students should be aware that Columbus State's tuition cost varies depending upon Ohio residency status.

Equine Science students attend 3 scheduled **Practicum** classes to increase proficiency in a variety of areas. Topics include ethical issues in the equine industry,

novice bandaging, wound care and medical bandaging, forage evaluation, tractor maintenance, injection techniques, jump course design, body condition scoring, and career opportunities in the equine industry. By special permission, upper level Preveterinary Medicine and Equine Health Technology students may also attend the "Medical Rounds" Practicum at The Ohio State University College of Veterinary Medicine.

A **Service Learning** project is required of all majors. Students have the opportunity of working with physically or mentally challenged riders, 4-H groups, inner city children, or groups requiring knowledge of safe horse handling.

Pairs of students work together on the **Otterbein College Foalwatch Team**. These students foal over 70 mares during the winter and spring quarters at a nearby Standardbred breeding farm. This farm is also the site used for halter breaking foals, and stallion handling.

Otterbein also has several **equestrian teams**, in hunt seat, dressage, and eventing. All levels of riders as well as non-equine majors are encouraged to participate. Riders take lessons at the equine facility and compete in regional and national competitions. Riders must register in at least 2 group lessons a week to be eligible for any of the teams.

All students in the Department of Equine Science participate in and/or assist with certain designated equine activities with which Otterbein College is associated, such as specified horse shows, clinics, and guest lectures.

It is strongly recommended that all Equine Science majors take Health Education 280, First Aid and Computer Science 100, Applications Software.

Equine Science program fees are assessed for the following courses: Equine Science 110, 120, 130, 295, 296, 301, 302, 311, 320, 330 and 350.

A minimum grade of C- is required in all equine science courses, as well as in Life Science 101, 102, 103, 108 and 109; Chemistry 110, 140, 150, and 160. If a grade lower than C- is earned, these courses must be repeated in order to enroll in subsequent Equine Science courses.

B.A. or B.S. degree with a major in Equine Administration

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. (MATH 115 or 116 or 120) or 15 hrs for B.S. (MATH 120, 170 and 180)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (75-87 hrs or equivalent):

- ❑ ACCT 200 - 5 hrs
- ❑ ACCT 210 - 5 hrs
- ❑ BADM 300 - 5 hrs
- ❑ BADM 310 - 5 hrs
- ❑ BADM 320 - 5 hrs
- ❑ COMM 280 - 5 hrs
- ❑ C SC 100 - 3 hrs
- ❑ ECON 210 - 5 hrs
- ❑ EQSC 120 - 3 hrs
- ❑ EQSC 121 - 1 hr
- ❑ EQSC 130 - 3 hrs
- ❑ EQSC 131 - 1hr
- ❑ EQSC 141 - 3 hrs
- ❑ EQSC 320 - 5 hrs
- ❑ EQSC 330 - 3 hrs
- ❑ EQSC 341 - 1 hr

- ❑ ENGL 335 - 5 hrs
- ❑ EQSC 110 - 3 hrs
- ❑ EQSC 111 - 1 hr
- ❑ EQSC 350 - 5 hrs
- ❑ EQSC 490 - 3 to 15 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. or B.S. degree with a major in Equine Facility Management

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. (MATH 115 or 116 or 120) or 15 hrs for B.S. (MATH 120, 170 and 180)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (76 hrs or equivalent):

- ❑ CHEM 110 - 5 hrs
- ❑ COMM 180 - 5 hrs
- ❑ EQSC 110 - 3 hrs
- ❑ EQSC 111 - 1 hr
- ❑ EQSC 120 - 3 hrs
- ❑ EQSC 121 - 1 hr
- ❑ EQSC 130 - 3 hrs
- ❑ EQSC 131 - 1 hr
- ❑ EQSC 141 - 3 hrs
- ❑ EQSC 280 - 2 hrs
- ❑ EQSC 290 - 2 hrs
- ❑ EQSC 295 - 5 hrs
- ❑ EQSC 296 - 5 hrs
- ❑ EQSC 301 - 5 hrs
- ❑ EQSC 302 - 5 hrs
- ❑ EQSC 320 - 5 hrs
- ❑ EQSC 330 - 3 hrs
- ❑ EQSC 341 - 1 hr
- ❑ EQSC 350 - 5 hrs
- ❑ HLED 280 - 3 hrs
- ❑ LSC 108 - 5 hrs
- ❑ LSC 109 - 5 hrs

- At least one internship is strongly encouraged.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. or B.S. degree with a major in Equine Science Preveterinary Medicine/Pregraduate Studies

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. (MATH 115 or 116 or 120) or 15 hrs for B.S. (MATH 120, 170 and 180)

- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (75 hrs or equivalent):

- ❑ CHEM 140 - 3 hrs
- ❑ CHEM 141 - 1 hr
- ❑ CHEM 150 - 3 hrs
- ❑ CHEM 151 - 1 hr
- ❑ CHEM 160 - 3 hrs
- ❑ CHEM 161 - 1 hr
- ❑ EQSC 110 - 3 hrs
- ❑ EQSC 111 - 1 hr
- ❑ EQSC 120 - 3 hrs
- ❑ EQSC 121 - 1 hr
- ❑ EQSC 130 - 3 hrs
- ❑ EQSC 131 - 1 hr
- ❑ EQSC 141 - 3 hrs
- ❑ EQSC 280 - 2 hrs
- ❑ EQSC 290 - 2 hrs
- ❑ EQSC 295 - 5 hrs
- ❑ EQSC 296 - 5 hrs
- ❑ EQSC 301 - 5 hrs
- ❑ EQSC 302 - 5 hrs
- ❑ EQSC 311 - 5 hrs
- ❑ EQSC 341 - 1 hr
- ❑ L SC 101 - 5 hrs
- ❑ L SC 102 - 5 hrs
- ❑ L SC 103 - 5 hrs

- Internship experiences are strongly recommended.
- Suggested support courses for the Preveterinary Medicine student include CHEM 240/241/250/251/260/261/450/460, L SC 201/202/206/301, MATH 170/180 and PHYS 171/172.
- Students will work closely with their advisers to fulfill specific prerequisites of each individual science-related graduate program including veterinary medicine.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Equine Health Technology

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (MATH 115 or 116 or 120)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (123 hrs or equivalent):

- ❑ CHEM 110 - 5 hrs
- ❑ EQSC 110 - 3 hrs
- ❑ EQSC 111 - 1 hr
- ❑ EQSC 120 - 3 hrs
- ❑ EQSC 121 - 1 hr
- ❑ EQSC 130 - 3 hrs
- ❑ EQSC 131 - 1 hr
- ❑ EQSC 141 - 3 hrs
- ❑ EQSC 290 - 2 hrs
- ❑ EQSC 295 - 5 hrs
- ❑ EQSC 296 - 5 hrs
- ❑ EQSC 301 - 5 hrs
- ❑ EQSC 302 - 5 hrs
- ❑ EQSC 311 - 5 hrs
- ❑ EQSC 341 - 1 hr
- ❑ L SC 108 - 5 hrs

❑ EQSC 280 - 2 hrs ❑ L SC 109 - 5 hrs

The following courses must be transferred from Columbus State by submitting an official transcript:

❑ HIMT 121 Advanced Medical Terminology - 3 hrs
❑ MATH 100 Calculations and Dosages - 2 hrs
❑ MULT 190 Radiation Protection - 2 hrs
❑ VET 122 Veterinary Parasitology - 3 hrs
❑ VET 124 Principles of Veterinary Radiology - 2 hrs
❑ VET 126 Principles of Veterinary Anesthesia - 3 hrs
❑ VET 133 Clinical Application I - 3 hrs
❑ VET 135 Veterinary Hematology - 5 hrs
❑ VET 136 Animal Health and Disease I - 3 hrs
❑ VET 138 Veterinary Surgical Techniques - 3 hrs
❑ VET 254 Clinical Seminar I - 2 hrs
❑ VET 262 Veterinary Pharmacology - 3 hrs
❑ VET 263 Clinical Application II - 3 hrs
❑ VET 266 Animal Health and Disease II - 3 hrs
❑ VET 267 Veterinary Urinalysis and Clinical Chemistry - 4 hrs
❑ VET 269 Veterinary Microbiology - 5 hrs
❑ VET 274 Clinical Seminar II - 2 hrs
❑ VET 291 Clinical Experience I - 6 hrs
❑ VET 293 Clinical Experience II - 6 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Program Outcomes

Equine Administration: This course of study prepares students for careers in the business side of the equine industry. Possible employment outcomes include positions in specialized insurance, writing and publishing, administration of sport discipline and breed organizations, racetrack, competition facility, farm and event management, as well as sales, marketing and distribution of horses and horse related products. Students wishing to pursue graduate degrees will be well prepared to apply to Law and Business Administration programs.

Equine Facility Management: This course of study is geared toward preparing students to work in management positions at breeding farms and training and competition facilities. Combined with additional business courses, it provides a more intensively horse centered preparation for the positions and courses of graduate study listed in the Equine Administration concentration.

Equine Science Preveterinary Medicine/Pregraduate Studies: These courses of study prepare students for graduate school programs and colleges of veterinary medicine.

Equine Health Technology: This course of study prepares the student for a career as a Registered Veterinary Technician. The student may be qualified to work as a professional technician at a veterinary clinic or hospital, or at a breeding facility.

Equine Science Courses (EQSC)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491, and may have additional program fees.

EQSC 100 THRU 104 HORSEBACK RIDING — 0 hrs

Safety and good horsemanship are stressed throughout all courses. During the 10 week academic quarter students receive a weekly class of one hour in dressage, hunt seat, or eventing. Students will develop the skills necessary to compete in interscholastic/intercollegiate and/or open horse shows. Beginning riders will learn basic introductory skills in riding and horse care. Students must supply their own hard-soled, over-the-ankle boots. ASTM / SEI helmets and all other riding equipment are provided. New students must ride for the instructor before or during the first week of the quarter for placement into the appropriate level. All students must complete and pass the physical fitness test before they may ride. *All riding lessons carry an additional fee which is published in the Schedule of Classes available at the Registrar's Office.*

EQSC 110 HORSEMASTERSHIP I LECTURE — 3 hrs

Coursework covers safe handling; horse behavior and instinctive reactions; breeds, conformation, colors and markings; grooming; basic stable management; humane restraint techniques; the use, effect, proper fitting and care of tack and equipment; evolution of the horse; the history of horses and their use by humans. *Open to EQSC majors only. Space in this course is limited.*

EQSC 111 HORSEMASTERSHIP I CLINIC — 1 hr

Clinical work covers the practice of topics covered in EQSC 110, including handling, grooming and preventive health care, appropriate use of restraint, tack fitting and behavioral observation, with an emphasis on safe and effective handling of animals and ethical practices. *Coreq: EQSC 110, or permission.*

EQSC 120 HORSEMASTERSHIP II LECTURE — 3 hrs

Coursework covers introductory equine nutrition, recreational uses of the horse, structural correctness as related to soundness, conformation and judging, and gaits and mechanics of movement. *Prereq: EQSC 110, or permission.*

EQSC 121 HORSEMASTERSHIP II CLINIC — 1 hr

Clinical experience corresponds to the Horsemastership II lecture. Emphasis is placed on recreational uses, conformation and associated unsoundness, gaits and mechanics of movement, evaluation of conditioning programs, the use of heart rate monitors, and performance testing on a treadmill. *Prereq: EQSC 110, 111; Coreq: EQSC 120.*

***EQSC* 130 HORSEMASTERSHIP III LECTURE** **3 hrs**
Coursework includes abnormal behaviors, including vices; advanced restraint techniques; methods of training and conditioning of various breeds for various uses; introductory exercise physiology, including the cardiovascular, respiratory, and musculoskeletal responses to exercise and training; performance evaluation of the equine athlete. *Prereq: EQSC 120, or permission.*

***EQSC* 131 HORSEMASTERSHIP III CLINIC** **1 hr**
Clinical experience corresponds to the Horsemastership III lecture. Emphasis is placed on behavior evaluation and management, handling and basic training, including lunging, longlining, and presenting in-hand. *Prereq: EQSC 120, 121, or permission. Coreq: EQSC 130.*

***EQSC* 141 PRACTICUM** **1 hr**
All majors are required to take three hours of practicum. Topics vary each quarter; check schedule of classes for topics. *May be repeated for a maximum of five credits.*

***EQSC* 250 TEACHING METHODS** **3 hrs**
Lecture and laboratory.
This course is designed for the student who intends to teach riding and provides an in-depth study of the pupil, school horse, teaching techniques, business procedures, ethics and responsibilities, preventive medicine and farrier care. Students will observe and assist in the instruction of a riding class. *Prereq: EQSC 130 and permission. Riding test may be required.*

***EQSC* 260 TEACHING PRACTICUM I** **2 hrs**
Students continue to observe the instructor in a scheduled equitation class. Students will take full responsibility and prepare lessons for supervised instruction of a small group of students for eight weeks. *Prereq: EQSC 250*

***EQSC* 270 TEACHING PRACTICUM II** **2 hrs**
The same format will be followed as for Teaching Practicum I except that students will teach riders who are at a more advanced level. *Prereq: EQSC 260; students who complete EQSC 270 will receive a rider instruction certificate.*

***EQSC* 280 FARRIER SCIENCE I** **2 hrs**
Lecture, demonstration and laboratory experience dealing with the anatomy and physiology of the foot and lower leg of the horse: bone structure, tendons, ligaments, innervation and circulation. Emphasis is on the internal anatomy of the foot as well as proper tools and shoe types. *Prereq: L SC 103, 106, or 108, or permission of instructor.*

***EQSC* 290 FARRIER SCIENCE II** **2 hrs**
Lecture, demonstration and laboratory experience related to the correction of conformation and motion through corrective trimming. The student obtains both theoretical and practical experience for a comprehensive study of lameness and methods of correcting pathological conditions that arise from poor conformation. Students also

study techniques of specialty shoeing for a variety of conditions. *Prereq: EQSC 280 or permission of instructor.*

EQSC 295 SYSTEMS COURSE I **5 hrs**

The 4 systems courses deal with the anatomy, physiology, associated diseases or disorders, diagnostic techniques, treatment and care, and prevention as they relate to each body system. The courses are designed to allow the student to attain a global perspective and understanding of the horse as a functioning unit made up of interrelated and interdependent body systems. Systems Course I covers the following areas: ophthalmology, the respiratory and cardiovascular systems, hematology and immunology. Laboratory sessions include lessons in the application of ophthalmic medications, venipuncture, and administration of intramuscular injections and oral preparations.

EQSC 296 SYSTEMS COURSE II **5 hrs**

Systems Course II continues the study of the horse, by focusing on the gastrointestinal system, urinary system, and endocrinology. Especially emphasized are the many colic disorders that affect the horse. Laboratory sessions include dissection of the abdominal cavity, including the stomach, small intestine, cecum, large intestine, liver, and pancreas. In addition, the kidneys and bladder, and the reproductive tract of the mare and the stallion are dissected, in preparation for Systems Course III. Interested students may attend the annual four-day MidWest Veterinary Conference in February. *Prereq: Equine Health Technology and Equine Facility Management majors: CHEM 110, LSC 108 and 109, EQSC 295, or permission; Preveterinary Medicine/Pregraduate Studies majors: L SC 101, 102, and 103, EQSC 295, or permission of instructor.*

EQSC 301 SYSTEMS COURSE III **5 hrs**

This course focuses on the broodmare, stallion, and the foal. Included is information about natural breeding, artificial insemination, and recent developments in frozen semen use and embryo transfer. A field trip to Lexington, Kentucky includes visiting a leading breeding facility and equine veterinary hospital. Laboratory experiences include proper and safe cleaning of the sheath and external genitalia, semen collection, observation of reproductive ultrasonography, foal imprinting, and halter breaking. Students are required to participate on the Foalwatch Team, that annually foals out approximately 70 broodmares. *Prereq: Equine Health Technology and Equine Facility Management majors: CHEM 110, L SC 108 and 109; EQSC 296, or permission; Preveterinary Medicine/Pregraduate Studies majors: L SC 101, 102, and 103; EQSC 296, or permission of instructor.*

EQSC 302 SYSTEMS COURSE IV **5 hrs**

Systems Course IV focuses on the musculoskeletal and nervous systems, and the integument. Laboratory exercises include fore and rear limb dissection, lameness evaluation, radiography, tendon ultrasonography, nuclear scintigraphy, and other advanced diagnostic and therapeutic techniques. In the area of neurology, students learn to distinguish between lameness and neurologic deficits, and are exposed to many advanced diagnostic and therapeutic procedures used in neurology. *Prereq: Equine Health Technology and Equine Facility Management majors: CHEM 110, L SC 108*

and 109; EQSC 301, or permission; Preveterinary Medicine/Pregraduate Studies majors: L SC 101, 102, and 103; EQSC 301, or permission of instructor.

EQSC 311 EQUINE NUTRITION **5 hrs**

Lecture and laboratory.

An in-depth study of equine nutrition, including absorption, metabolism and feed sources of nutrients. Included are ration balancing, determining nutritive needs, the use of supplements, problems associated with feeds and feeding, and toxic plants. An introduction to exercise metabolism and feeding the equine athlete is also included. *Prereq: EQSC 301; CHEM 110, or L SC 101, or permission of instructor.*

EQSC 320 BUSINESS MANAGEMENT AND PROMOTION OF AN EQUINE FACILITY **5 hrs**

A study of business management practices as they commonly affect horse related businesses. Topics covered include cash flow management and preparation of financial statements including the use of financial software programs, business planning, insurance, employment issues and risk management as well as marketing and promotion of an equine related business. *Prereq: EQSC 110, 120 and 130; MATH 115. Recommended: ACCT 200.*

EQSC 330 EQUINE FACILITY DESIGN AND AGRICULTURAL MANAGEMENT **3 hrs**

Lecture and Laboratory

This course focuses on the design and management of equine facilities from the point of view of horse management and logistical efficiency. Topics covered include facility layout and construction options as affected by climate and regional custom, pasture and waste management from nutritional and environmental points of view, material options for both facility construction and ongoing operating supplies, equipment use and maintenance, storage and land use issues. Lab sessions include both hands on practice and field trips to area facilities. *Prereq: EQSC 110, 120 and 130. Recommended: MATH 115, EQSC 311.*

EQSC 341 SERVICE LEARNING **1 hr**

Students in Service Learning provide a program or a service to a group such as physically or mentally challenged riders, 4-H groups, inner city children, or groups requiring knowledge of safe horse handling. Students will prepare a statement of goals, objectives, methods, and the material to be covered. Students will also maintain journals describing their experiences, and assessing their particular projects. *Prereq: EQSC 110 and permission instructor.*

EQSC 350 LEGAL ASPECTS OF THE EQUINE INDUSTRY **5 hrs**

Introduction to legal issues as they commonly affect the equine industry, as well as to basic legal research skills. Topics covered include purchase and sales law, personal injury and property damage liability, contracts, agency, employment issues, zoning and land use issues, environmental regulation, animal welfare regulation and sports governance by private associations. *Prereq: Sophomore standing, or permission of instructor.*

***EQSC* 390 INDEPENDENT STUDY** **1-5 hrs**

Students may pursue a minor research project or continue with more advanced work in equine science department offerings. *Prereq: EQSC 130, or permission of instructor.*

***EQSC* 490 INTERNSHIP** **1-15 hrs**

Students are encouraged to engage in internship experiences throughout their academic careers. Official application and internship contract development should start no later than the beginning of the quarter prior to registration for the internship. If a final internship is required, it must be undertaken when all other equine science courses have been completed. *Prereq: Permission of instructor.*

FOREIGN LANGUAGES

Martin (chairperson), Cornell, Galarce, Reis.

Mission and Programs

The deparment of Foreign Languages is composed of four full-time faculty members (two in French and two in Spanish), a number of adjunct faculty (a varying number in English as a Second Language, three in Spanish, one in Japanese and one in German), and two first language assistants (one in French and one in Spanish). The department offers majors in French and in Spanish. Minors are offered in French and Spanish, and minors in German and Japanese are possible with study abroad.

The primary mission of the Department of Foreign Languages is to teach communication skills in a language or languages other than the first language and to develop in students an awareness, understanding, and appreciation of cultural systems other than their own. Secondarily, the department prepares students for career opportunities in a world increasingly in need of citizens competent in other languages and assists them in adapting to the multi-ethnic environments and value orientations of others within our own pluralistic society. By recognizing universal features of language and culture, the Department of Foreign Languages strives to foster a sense of humanity; by recognizing linguistic and cultural differences, it strives to cultivate tolerance. This training in skills, knowledge, cultural awareness, and values is consonant with the liberal arts mission of Otterbein College.

B.A. degree with a major in French

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 45 total hrs):

- ❑ a total of at least 45 hrs of FREN at the 200 level or above with at least 15 hrs at 300/400 level; FREN 370 and 490 cannot be counted toward the major
- Substitutions for any of these courses may be made through study abroad. For a list of the department's study abroad programs, see p. 267

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in French

Required (at least 25 total hrs):

- ❑ All hours from among any FREN courses at 200 level or above except 370 and 490.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Minor in German

Required (at least 25 total hrs):

- A minor in German may be completed by study in Germany. Courses must be approved in advance by the Department of Foreign Languages chairperson.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Japanese

Required (at least 25 total hrs):

- A minor in Japanese may be completed by study in Japan. Courses must be approved in advance by the Department of Foreign Languages chairperson.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

B.A. degree with a major in Spanish

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical EducationLifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 45 total hrs):

- ❑ a total of at least 45 hrs of SPAN at the 200 level or above with at least 15 hrs at 300/400 level; SPAN 370 and 490 cannot be counted toward the major
- Substitutions for any of these courses may be made through study abroad. For a list of the department's study abroad programs, see p. 267.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Spanish

Required (at least 25 total hrs):

- ❑ All hours from among any SPAN courses at 200 level or above except 370 and 490.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

French or Spanish language teacher licensure (grades P - 12): Requirements for students seeking French or Spanish teacher licensure are listed in the *Teacher Education Programs* handbook, available in the Education Department. Requirements for the French and Spanish major and teacher licensure may differ somewhat, but both must be met to become licensed, and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

Students are urged to consider combining a major or minor in a foreign language with a second field such as business, political science, pre-med, sociology or international relations. Education majors should consider seeking teaching licensure in two languages.

Courses offered under **English as a Foreign Language** program are open only to students whose first language is not English and whose English proficiency is inadequate for pursuing regular academic work. Students are placed in the appropriate courses on the basis of an entrance examination in English. Students may leave the English program and register for courses in their major field of interest upon attaining a TOEFL score of 500 and/or receiving the recommendation of their instructor. No more than 15 quarter hours may be applied toward a degree.

Program Outcomes

French: This program of study may qualify students to teach French in a private school, or to apply for graduate study in French or a related field. Students are encouraged to combine a major in French with course work in another area, such as, for example, international business, in which fluency in a second language is an asset.

French Education: This course of study leads to teacher licensure and prepares students for teaching French in the public school, Pre K-12. This program may also qualify the student to apply for graduate study in French and/or foreign language education, or to enter other related professions. Otterbein is accredited by the National Council for the Accreditation of Teacher Education (NCATE).

Spanish: This program of study may qualify students to teach Spanish in a private school, or to apply for graduate study in Spanish or a related field. Students are encouraged to combine a major in Spanish with course work in another area, such as, for example, international business, in which fluency in a second language is an asset.

Spanish Education: This course of study leads to teacher licensure and prepares students for teaching Spanish in the public school, Pre K-12. This program may also qualify the student to apply for graduate study in Spanish and/or foreign language education, or to enter other related professions. Otterbein is accredited by the National Council for the Accreditation of Teacher Education (NCATE).

French Courses (FREN)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***FREN* 100 ELEMENTARY FRENCH I** **5 hrs**
The aim of this course is to provide beginning language students with skills in listening, speaking, reading and writing within a cultural context. Teacher-designed activities as well as videos and other culturally authentic materials are employed to ensure a rich communicative experience for students.

***FREN* 110 ELEMENTARY FRENCH II** **5 hrs**
A continuation of FREN 100.

***FREN* 120 ELEMENTARY FRENCH III** **5 hrs**
A continuation of FREN 110.

***FREN* 140 INTERMEDIATE FRENCH** **5 hrs**
A course designed to reinforce and develop further the skills acquired in Elementary French with increasing emphasis on reading, composition and cultural awareness.

***FREN* 210 CONVERSATION/COMPOSITION** **5 hrs**
This course is designed to maximize opportunities for development of oral and written proficiency. The activities provided are of the type that encourage students to use appropriate discourse strategies in a variety of contexts. In order to encourage creativity and risk taking, error correction will be focused on global rather than local errors. *Prereq: FREN 140.*

***FREN* 220 ASPECTS OF THE FRENCH LANGUAGE** **3 hrs**
The major goal of this course is to encourage linguistic accuracy, focusing particularly on grammatical structures and phonological, morphological, syntactical, and lexical components of the target language. *Prereq: FREN 210.*

***FREN* 230 CONTEMPORARY FRANCE** **5 hrs (alt. yrs.)**
Introduction to contemporary France and French culture, including attitudes and values, family and social structure. *Prereq: FREN 210.*

***FREN* 240 THE FRENCH HERITAGE** **5 hrs**
A study of French civilization and culture from earliest times to the present. Lectures, readings, reports. *Prereq: FREN 210.*

***FREN* 271/272 COMMERCIAL FRENCH** **3 hrs each level (alt. yrs.)**
A course designed to teach the essential vocabulary and style specific to French business and to introduce students to the basic workings of the French economy. Activities will provide students with experience in communicating in a variety of business contexts. *Prereq: FREN 210.*

***FREN* 280 INTRODUCTION TO FRENCH LITERATURE** **5 hrs**
An introduction to literary readings representative of various genres. *Prereq: FREN 210.*

***FREN* 310 CONVERSATION/COMPOSITION** **5 hrs**
This course provides an emphasis on oral and written discourse strategies. It allows the student to continue to develop skills learned in 210 and to extend that experience to include writing on abstract topics with precision and detail. *Prereq: FREN 210.*

***FREN* 320 ASPECTS OF THE FRENCH LANGUAGE** **3 hrs**
The fundamental goal of this course is to teach second language learners of French to comprehend abstract texts by (a) acquainting them with basic principles of the comprehension process and (b) guiding them in their application of those principles in their interaction with authentic texts. These texts illustrate various aspects of the language. *Prereq: FREN 210.*

***FREN* 330 CONTEMPORARY FRANCE** **5 hrs (alt. yrs.)**
Advanced study of contemporary France and French culture, including attitudes and values, family and social structure. *Prereq: FREN 210.*

***FREN* 340 THE FRENCH HERITAGE** **5 hrs (alt. yrs.)**
Advanced study of French civilization and culture. Topics range from earliest times to the present. *Prereq: FREN 210.*

***FREN* 370 FOREIGN LANGUAGE TEACHING METHODS** **5 hrs**
This course is designed to provide future foreign language teachers with a firm base in language learning theory as well as practical teaching techniques for language learners pre-K through 12. During the theoretical portion of the course, students will read and discuss topics related to first language acquisition and its relationship to second language learning. The remainder of the course will be devoted to the application of language learning theory to practice through peer and public classroom teaching. Students will also develop skills in explaining the benefits of foreign language both orally and in writing to a variety of audiences.

***FREN* 380 TOPIC IN FRENCH LITERATURE** **3 or 5 hrs**
Study of a period, movement, or genre. *Prereq: Three courses in the major.*

***FREN* 390 INDEPENDENT STUDY** **1-5 hrs**
Individual studies designed to enable individual students to pursue specific interests. *Permission of the department chairperson is required.*

***FREN* 490 INTERNSHIP** **1-15 hrs**

German Courses (GERM)

***GERM* 100 ELEMENTARY GERMAN I** **5 hrs**
The aim of this course is to provide beginning language students with skills in listening, speaking, reading and writing within a cultural context. Teacher-designed activities as well as videos and other culturally authentic materials are employed to ensure a rich communicative experience for students.

***GERM* 110 ELEMENTARY GERMAN II** **5 hrs**
A continuation of GERM 100.

***GERM* 120 ELEMENTARY GERMAN III** **5 hrs**
A continuation of GERM 110.

***GERM* 390 INDEPENDENT STUDY** **1-5 hrs**
Individual studies designed to enable individual students to pursue specific interests. *Permission of the department chairperson is required.*

***GERM* 490 INTERNSHIP** **1-15 hrs**

Japanese Courses (JAPN)

***JAPN* 100 ELEMENTARY JAPANESE I** **5 hrs**
The aim of this course is to provide beginning language students with skills in listening, speaking, reading and writing within a cultural context. Teacher-designed activities as well as videos and other culturally authentic materials are employed to ensure a rich communicative experience for students.

***JAPN* 110 ELEMENTARY JAPANESE II** **5 hrs**
A continuation of JAPN 100.

***JAPN* 120 ELEMENTARY JAPANESE III** **5 hrs**
A continuation of JAPN 110.

Spanish Courses (SPAN)

***SPAN* 100 ELEMENTARY SPANISH I** **5 hrs**
The aim of this course is to provide beginning language students with skills in listening, speaking, reading and writing within a cultural context. Teacher-designed activities as well as videos and other culturally authentic materials are employed to ensure a rich communicative experience for students.

***SPAN* 110 ELEMENTARY SPANISH II** **5 hrs**
A continuation of SPAN 100.

***SPAN* 120 ELEMENTARY SPANISH III** **5 hrs**
A continuation of SPAN 110.

***SPAN* 140 INTERMEDIATE SPANISH** **5 hrs**
A course designed to reinforce and develop further the skills acquired in Elementary Spanish with increasing emphasis on reading, composition and cultural awareness.

***SPAN* 210 CONVERSATION/COMPOSITION** **5 hrs**
This course is designed to maximize opportunities for development of oral and written proficiency. The activities provided are of the type that encourage students to use appropriate discourse strategies in a variety of contexts. In order to encourage creativity and risk taking, error correction will be focused on global rather than local errors. *Prereq: SPAN 140.*

***SPAN* 220 ASPECTS OF THE SPANISH LANGUAGE** **3 hrs**
The major goal of this course is to encourage linguistic accuracy, focusing particularly on grammatical structures and phonological, morphological, syntactical, and lexical components of the target language. *Prereq: SPAN 140.*

***SPAN* 230 LATIN AMERICAN CULTURE AND CIVILIZATION**
5 hrs (alt. yrs.)
Introduction to Latin American culture and civilization. Emphasis on contemporary institutions and problems as determined by cultural patterns and attitudes. *Prereq: SPAN 210.*

***SPAN* 240 THE SPANISH HERITAGE** **5 hrs (alt. yrs.)**
An introduction to the study of Spanish civilization, culture and political thought from the origins through the 19th century. *Prereq: SPAN 210.*

***SPAN* 271/272 COMMERCIAL SPANISH** **3 hrs each level (alt. yrs.)**
A course designed to teach the essential vocabulary and style specific to Spanish and Latin American business and to introduce students to the basic workings of the Spanish and Latin American economies. Activities will provide students with experience in communication in a variety of business contexts. *Prereq: SPAN 210 or 220.*

***SPAN* 280 INTRODUCTION TO SPANISH LITERATURE** **5 hrs**
An introduction to literary readings representative of various genres. *Prereq: SPAN 210.*

***SPAN* 310 CONVERSATION/COMPOSITION** **5 hrs**
This course provides an emphasis on oral and written discourse strategies. It allows the student to continue to develop skills learned in 210 and to extend that experience to include writing on abstract topics with precision and detail. *Prereq: SPAN 210.*

***SPAN* 320 ASPECTS OF THE SPANISH LANGUAGE** **3 hrs**
The fundamental goal of this course is to teach second language learners of Spanish to comprehend abstract texts by (a) acquainting them with basic principles of the comprehension process and (b) guiding them in their application of those principles in their interaction with authentic texts. These texts illustrate various aspects of the language. *Prereq: SPAN 210.*

***SPAN* 330 LATIN AMERICAN CULTURE AND CIVILIZATION**
5 hrs (alt. yrs.)
Advanced study of Latin American culture and civilization. *Prereq: SPAN 210.*

***SPAN* 340 THE SPANISH HERITAGE** **5 hrs (alt. yrs.)**
Study of contemporary Spanish culture. Topics range from early 20th century to the present. *Prereq: SPAN 210.*

***SPAN* 370 FOREIGN LANGUAGE TEACHING METHODS** **5 hrs**
This course is designed to provide future foreign language teachers with a firm base in language learning theory as well as practical teaching techniques for language learner pre-K through 12. During the theoretical portion of this course, students will read and discuss topics related to first language acquisition and its relationship to second language learning. The remainder of the course will be devoted to the application of language learning theory to practice through peer and public classroom teaching. Students will also develop skills in explaining the benefits of foreign language both orally and in writing to a variety of audiences.

***SPAN* 380 TOPIC IN LATIN AMERICAN OR SPANISH LITERATURE** **3 or 5 hrs**
Study of a period, movement, or genre. *Prereq: Three courses in the major.*

***SPAN* 390 INDEPENDENT STUDY** **1-5 hrs**
Individual studies designed to enable individual students to pursue specific interests. *Permission of the department chairperson is required.*

***SPAN* 490 INTERNSHIP** **1-15 hrs**

Language and Culture Courses

One of these courses is required of all students pursuing the B.A. degree in Liberal Studies in the Continuing Studies Program.

FREN 105	**FRENCH LANGUAGE AND CULTURE**	**5 hrs**
GERM 105	**GERMAN LANGUAGE AND CULTURE**	**5 hrs**
JAPN 105	**JAPANESE LANGUAGE AND CULTURE**	**5 hrs**
SPAN 105	**SPANISH LANGUAGE AND CULTURE**	**5 hrs**

The focus of these courses is an interdisciplinary study of diverse ethnic groups which make up Francophone, Germanic, Hispanic or Japanese culture through literature, non-fiction, music, and art. These courses examine the relationship between language and culture through the use of authentic videos, films, literature in translation and selected readings. These courses investigate the influence of economic, sociological, cultural, and language elements on such issues as gender and class.

English as a Foreign Language Courses (EFL/FSO)

Courses offered under English as a Foreign Language are open only to students whose first language is not English and whose proficiency indicates the need for language instruction as part of their course of studies. In general, students whose TOEFL scores fall between 500-550 should expect to enroll in these courses. (Exemption is by test only.) All new international students will take the required orientation course during their first term at the college, whether or not they are exempted from EFL courses.

***FSO* 100 FOREIGN STUDENT ORIENTATION** **1 hr**
Introduction to American culture, to the American academy in general, and to Otterbein in particular. Two class meetings per week.

***EFL* 100 ENGLISH AS A FOREIGN LANGUAGE** **5 hrs**
An advanced course in English composition and reading for students who are currently undertaking a college curriculum in a language not their own.

***EFL* 190 ENGLISH AS A FOREIGN LANGUAGE-SPECIAL TOPICS** **2 hrs**
For students with special language deficiencies. Repeatable twice for credit. Three class meetings per week.

***ESL* 100 BEGINNING GRAMMAR** **5 contact hrs**
Introduction to American English with emphasis on simple and compound sentence structures.

***ESL* 101 BEGINNING COMPOSITION** **5 contact hrs**
Instruction and practice in basic writing processes: prewriting, outlining, drafting, and editing. Course focuses on paragraph structure and short essays and includes journal writing, grammar reinforcement, and vocabulary development.

***ESL* 102 BEGINNING READING** **5 contact hrs**
Instruction and practice of reading strategies: previewing, questioning, and vocabulary development. Development of text comprehension includes skills such as guessing vocabulary, distinguishing fact from opinion, and understanding inferred meaning. Students will develop knowledge of the culture as it relates to these skills.

***ESL* 103 BEGINNING SPEAKING AND LISTENING/PRONUNCIATION** **2 contact hrs**
Instruction in communicative competence for everyday living and academic life: conversation, role playing, oral presentation, and listening skills. Authentic pronunciation of American English will be emphasized. Students will reinforce in the laboratory what they learn in the classroom. ESL 103 will alternate with three hours per week of sessions with Conversation Partners.

***ESL* 200 INTERMEDIATE GRAMMAR** **5 contact hrs**
Further development of American English with introduction of complex sentences and structures.

***ESL* 201 INTERMEDIATE COMPOSITION** **5 contact hrs**
Instruction in writing skills and processes, such as prewriting, outlining, drafting, and editing, and instruction and practice of various types of development, such as narrative, comparison contrast, and classification. Course focus is on essay writing and includes journal writing, grammar reinforcement, and vocabulary development.

***ESL* 202 INTERMEDIATE READING** **5 contact hrs**

Continued instruction and practice of reading strategies: previewing, questioning, and vocabulary development. Development of text comprehension includes skills such as guessing vocabulary meaning, prediction, distinguishing fact from opinion, inference, and summary.

***ESL* 203 INTERMEDIATE SPEAKING AND LISTENING/ PRONUNCIATION** **2 contact hrs**

Instruction in communicative competence needed for academic life: conversation, discussion, role playing, oral presentation, and listening skills. Authentic pronunciation of American English will be emphasized. Students will reinforce in the laboratory what they learn in the classroom. ESL 203 will alternate with three hours per week of sessions with Conversation Partners.

***ESL* 300 ADVANCED GRAMMAR AND COMPOSITION** **5 contact hrs**

Instruction in writing for academic purposes. Includes prewriting, drafting, revising, vocabulary development, and grammar reinforcement. The course focuses on the essay and short paper and accompanying research.

***ESL* 302 ADVANCED READING** **5 contact hrs**

Further development of strategies to prepare students for college-level reading. Course concentrates on edited and unedited texts, expansion of vocabulary and idioms, and development of library skills.

***ESL* 303 ADVANCED SPEAKING AND LISTENING/PRONUNCIATION** **2 contact hrs**

Instruction in listening and speaking skills needed for academic coursework, such as notetaking from lectures, oral presentation and discussion, and asking questions. Strategies for improving such skills are developed through a content-based approach, using guest speakers, current events, and other material appropriate to academic study. Pronunciation of American English is continually emphasized. Students will reinforce in the laboratory what they learn in the classroom. ESL 303 will alternate with three hours per week of sessions with Conversation Partners.

***ESL* 305 TOEFL PREPARATION** **2 contact hrs**

Will alternate with ESL 306 in the same time slot. Instruction in test-taking strategies for all sections of the TOEFL with an emphasis on reading comprehension and sentence structure portions of the test.

***ESL* 306 SPECIAL TOPICS** **3 contact hrs**

Will alternate with ESL 305 in the same time slot. Instruction in English for special purposes, such as Business English, to meet the particular needs of the students in the program at any given time.

HEALTH AND PHYSICAL EDUCATION

Rocks (chairperson), Capwell, D'Arcy, Doup, Esselstein, Fischer, Goodwin, Hocker, Kiger, Koons, Loth, Moore, Peters, Phillips, Powell, Reynolds, Richardson, Sexton, Sullivan, Torman, Walter, Welsh, Wilson.

Mission and Programs

The Health and Physical Education Department will prepare students to become competent, self directed professionals through sound curricular programming, dedicated faculty, and appropriate facilities and equipment. Our mission will be accomplished by offering curricular programs that meet the requirements for both professional certifications* and the liberal arts education. Faculty will seek excellence in their classroom teaching methods by remaining current in their fields, and employing practical and relevant learning activities. Likewise, faculty will provide academic advising to the students in order to ensure appropriate course selection, to assist them in identifying their personal strengths, and to enable them to pursue professional activities and opportunities commensurate with their talents. In addition, our facilities and equipment will support the academic programs of the department and complement the learning experiences provided by the faculty.

The Health and Physical Education Department is also dedicated to developing a positive life-long attitude toward a healthy lifestyle among all Otterbein students by providing appealing and innovative HPES series, which offers courses in health, fitness, recreation, and sport areas.

*National Association for Sport and Physical Education (NASPE),
American Association of Health Education (AAHE),
The Joint Review Committee on Athletic Training (JRC-AT)
North American Society for Sport Management (NASSM).

B.A. degree with a major in Athletic Training

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 130 must be selected)
- ❑ Foreign Language - 10 hrs for BA; 15 hrs for BS (specifics on p. 15)
- ❑ Mathematics - 5 hrs for BA; 15 hrs for BS (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - HLED 402, a course required in the major, satisfies this requirement

Requirements in the major (80 hrs or equivalent):

- ❑ HLED 160/161 - 5 hrs
- ❑ HLED 240 - 5 hrs
- ❑ HLED 260/261 - 4 hrs
- ❑ HLED 265/266 - 4 hrs
- ❑ HLED 270 - 5 hrs
- ❑ HLED 480/481 - 2 hrs
- ❑ HLED 485 - 1 hr
- ❑ CHEM 110 - 5 hrs
- ❑ L SC 108 - 5 hrs
- ❑ L SC 109 - 5 hrs

- ❑ HLED 385 - 1 hr
- ❑ HLED 401 - 3 hrs
- ❑ HLED 402 - 2 hrs
- ❑ HLED 460/461 - 3 hrs
- ❑ HLED 470/471 - 5 hrs
- ❑ MATH 230 - 5 hrs
- ❑ PHED 340 - 5 hrs
- ❑ PHED 380 - 5 hrs
- ❑ PHED 440 - 5 hrs
- ❑ PSYC 210 or 220 or 230 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.S. degree with a major in Athletic Training

Requirements in the Core Curriculum:

See B.A. degree with a major in Athletic Training. Note difference in foreign language and mathematics.

Requirements in the major (94 hrs or equivalent):

- ❑ HLED 160/161 - 5 hrs
- ❑ HLED 240 - 5 hrs
- ❑ HLED 260/261 - 4 hrs
- ❑ HLED 265/266 - 4 hrs
- ❑ HLED 270 - 5 hrs
- ❑ HLED 385 - 1 hr
- ❑ HLED 402 - 2 hrs
- ❑ HLED 460/461 - 3 hrs
- ❑ HLED 470/471 - 5 hrs
- ❑ HLED 480/481- 2 hrs
- ❑ HLED 485- 1 hr
- ❑ CHEM 140/141 - 4 hrs
- ❑ CHEM 150/151 - 4 hrs
- ❑ CHEM 160/161 - 4 hrs
- ❑ L SC 108 - 5 hrs
- ❑ L SC 109 - 5 hrs
- ❑ PHED 340 - 5 hrs
- ❑ PHED 380 - 5 hrs
- ❑ PHED 440 - 5 hrs
- ❑ PHYS 141/171 - 5 hrs
- ❑ PHYS 142/172 - 5 hrs
- ❑ PHYS 143/173 - 5 hrs
- ❑ PSYC 210, 220 or 230 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ See B.A. degree with a major in Athletic Training.

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Health Education

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 130 must be selected)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (55 hrs or equivalent):

- ❑ HLED 180 - 2 hrs
- ❑ HLED 200 - 2 hrs
- ❑ HLED 210 - 3 hrs
- ❑ HLED 220 - 5 hrs
- ❑ HLED 270 - 5 hrs
- ❑ HLED 280 - 3 hrs
- ❑ HLED 310 - 3 hrs
- ❑ HLED 320 - 3 hrs
- ❑ HLED 350 - 3 hrs
- ❑ HLED 351 - 2 hrs
- ❑ HLED 380 - 4 hrs
- ❑ L SC 111 - 5 hrs
- ❑ L SC 112 - 5 hrs
- ❑ PHED 380 - 5 hrs
- ❑ SOCL 120 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Health Education teacher licensure (grades P - 12): Requirements for students seeking health education teacher licensure are listed in the *Teacher Education Programs* handbook available in the Education Department. Requirements for the health education major and teacher licensure may differ, but both must be met to become licensed and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

B.A. degree with a major in Health Promotion and Fitness

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - 2 hrs (SYE 490 Internship Seminar)

Requirements in the major (approximately 78-83 hrs or equivalent):

- ❑ HLED 180 - 2 hrs
- ❑ HLED 200 - 2 hrs
- ❑ HLED 210 - 3 hrs
- ❑ HLED 220 - 5 hrs
- ❑ HLED 270 - 5 hrs
- ❑ HLED 280 - 3 hrs
- ❑ HLED 305 - 3 hrs
- ❑ HLED 315 - 3 hrs
- ❑ HLED 380 - 5 hrs
- ❑ PHED 440 - 5 hrs
- ❑ HLED 380 - 4 hrs
- ❑ HLED 390 - 5 hrs
- ❑ HLED 410 - 3 hrs
- ❑ HLED 411 - 3 hrs
- ❑ LSC 111 - 5 hrs
- ❑ LSC 112 - 5 hrs
- ❑ PHED 340 - 5 hrs
- ❑ PHED 490 - 10-15 hrs
- ❑ SYE 490 - 2 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for degree:

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Physical Education

Requirements in the Core Curriculum:

❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 130 must be selected)
❑ Foreign Language - 10 hrs (specifics on p. 15)
❑ Mathematics - 5 hrs (specifics on p. 15)
❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (78 hrs or equivalent):

❑ PHED 130 - 3 hrs
❑ PHED 140 - 3 hrs
❑ PHED 150 - 5 hrs
❑ PHED 170 - 3 hrs
❑ PHED 212 - 3 hrs
❑ PHED 220 - 2 hrs
❑ PHED 310 - 4 hrs
❑ PHED 320 - 4 hrs
❑ PHED 330 - 3 hrs
❑ PHED 340 - 5 hrs
❑ PHED 360 - 3 hrs
❑ PHED 370 - 2 hrs
❑ PHED 380 - 5 hrs
❑ PHED 410 - 4 hrs
❑ PHED 440 - 5 hrs
❑ PHED 480 - 4 hrs
❑ HLED 200 - 2 hrs
❑ HLED 220 - 5 hrs
❑ HLED 270 - 5 hrs
❑ HLED 280 - 3 hrs
❑ L SC 111 - 5 hrs
❑ L SC 112 - 5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23).

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Physical Education Teacher Licensure (grades P - 12): Requirements for students seeking physical education teacher licensure are listed in the *Teacher Education Programs* handbook available in the Education Department. Requirements for the physical education major and teacher licensure may differ somewhat, but both must be met to become licensed and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

B.A. degree with a major in Sport Management

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - 2 hrs (SYE 490 Internship Seminar)

Requirements in the major (approximately 82-87 hrs or equivalent):

- ❑ PHED 180 - 5 hrs
- ❑ PHED 240 - 5 hrs
- ❑ PHED 250 - 4 hrs
- ❑ PHED 380 - 5 hrs
- ❑ PHED 385 - 5 hrs
- ❑ PHED 390 - 5 hrs
- ❑ PHED 392 - 4 hrs
- ❑ PHED 480 - 4 hrs
- ❑ PHED 490 - 10 to 15 hrs
- ❑ ACCT 200 - 5 hrs
- ❑ ACCT 210 - 5 hrs
- ❑ BADM 340 - 5 hrs
- ❑ C SC 100 - 3 hrs
- ❑ COMM 280 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ MATH 230 - 5 hrs
- ❑ SYE 490 - 2 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Coaching

Required (all of these courses):

- ❑ HLED 150 - 3 hrs
- ❑ HLED 280 - 3 hrs
- ❑ PHED 290 - 6 hrs
- ❑ PHED 310 or 320 - 4 hrs
- ❑ PHED 340 - 5 hrs
- ❑ PHED 440 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Health Education

Required (all of these courses):

- ❑ HLED 180 - 2 hrs
- ❑ HLED 210 or 220 - 3 or 5 hrs
- ❑ HLED 270 - 5 hrs
- ❑ HLED 280 - 3 hrs
- ❑ HLED 310 - 3 hrs
- ❑ HLED 320 - 3 hrs
- ❑ HLED 350 - 3 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Physical Education

Required (all of these courses):

- ❑ HLED 270 - 5 hrs
- ❑ HLED 280 - 3 hrs
- ❑ PHED 320 - 4 hrs
- ❑ PHED 340 - 4 hrs

- ❑ PHED 170 - 3 hrs
- ❑ PHED 310 - 4 hrs
- ❑ PHED 380 - 5 hrs
- ❑ PHED 440 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Sport Management

Required (all of these courses):

- ❑ PHED 180 - 5 hrs
- ❑ PHED 240 - 5 hrs
- ❑ PHED 380 - 5 hrs
- ❑ PHED 390 - 5 hrs
- ❑ PHED 392 - 4 hrs
- ❑ PHED 480 - 4 hrs
- ❑ ECON 210 - 5 hr
- ❑ One course from among BADM 300, 310, 320, 365, 410 and 430 - 5 hrs
- ❑ a 10 to 15 hour internship is optional (PHED 490)

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Program Outcomes

The Athletic Training education program is accredited by CAAHEP (Commission on Accreditation of Allied Health Education Programs) and the Joint Review Committee on Athletic Training (JRC-AT).

The **B.A. in Athletic Training** is designed to qualify the student to sit for the NATA BOC Certification Exam as well as prepare the student for work in a clinical, high school, or industrial setting where the Bachelor of Arts degree is the highest degree earned. The addition of statistics and a research design course also helps prepare the student for graduate school programs in exercise physiology, athletic training, physician's assistant, or other allied healthcare professions. Students are encouraged to consider postgraduate work, especially if collegiate and professional settings are aspired.

A double major in secondary education is also possible with the B.A. in the Athletic Training track. Any area of teaching licensure may be possible, although those in health education, physical education or the biological sciences are most easily combined with the athletic training curriculum. Students selecting the double major (secondary education and athletic training) will most likely teach and perform athletic training duties in a secondary school.

The **B.S. in Athletic Training** is designed to qualify the student to sit for the NATA BOC Certification Exam as well as allow the student to seek postgraduate education in science-demanding fields, such as medicine, athletic training or physical therapy. This program contains significant chemistry and physics components to help meet the prerequisites of such graduate programs.

Program Entrance Requirements: For entry into the athletic training program, the following first year requirements must be met:

1) Completion of LSC 108 and 109 with a grade of C or higher.
2) Completion of HLED 160 161, 191 and 270 with a grade of C or higher.
3) Completion of directed observation hours.
4) Completion of the Program Application Form.
5) Achievement of an overall GPA of 2.5 or higher.

Health Requirements: Student athletic trainers are held to the same health care standards as all athletes who participate in intercollegiate athletics. Therefore, all student athletic trainers are required to complete the physical exam process by the College's team physicians. Students must also provide proof of up-to-date immunizations as specified by the Student Health Center.

Technical Standards Requirements: In addition to the requirements stated in the application procedures for entry into the Otterbein College Athletic Training Program, the student will also need to submit documentation of satisfactory qualifications illustrating that they are physically and mentally qualified to participate in the expected athletic training academic and clinical requirements. In order to accomplish the aforementioned requirements, the student will need to complete a physical, which is identical to the athlete's physicals, which will be conducted by our Team Physician. At that time, the student will be reminded of the academic and physical demands of the program and can freely discuss any concerns or needs for accommodations with the appropriate medical personnel. In the event that accommodations are necessary, the student and athletic training program personnel will coordinate the necessary needs of the individual student athletic trainer. The paragraphs below will give the potential student a more detailed explanation of what is to be expected in the athletic training program.

I) Physical demands

The potential athletic training student should be aware of the physical and mental requirements needed to pass the academic and clinical components of the Athletic Training Education Program. If the student is unable to pass the physical requirements of the Athletic Training Program, they will be unable to pass the national certification exam required to become a Certified Athletic Trainer. If the potential athletic training student has physical limitations that may prevent them from completing the clinical component of the program, written permission from a physician must be provided to ensure that they can perform the required physical duties in a safe manner. This can be completed at the time the student completes their physical examination with the Otterbein College Team Physician.

Some examples of the physical requirements include:

1) Transporting injured athletes from the field
2) Carrying heavy 10 gallon water containers
3) Carrying heavy medical kits
4) Completing physical testing procedures of muscles and ligaments to all body joints, etc.
5) Completing all taping procedures in a reasonable amount of time.
6) Running across uneven field surfaces in a reasonable amount of time to care for emergency situations.
7) Assist in lifting injured athletes and carrying such athlete for a short distance so they are out of harms way.
8) Be able to perform CPR and First Aid procedures.

II) Confidentially

Additionally, as a member of the Otterbein College medical staff, each student should be aware of the confidential nature of medical files and circumstances that they will experience. All medical information that is presented to each athletic training student must be kept and handled in a confidential manner. Athletic training students must understand that they will be placed in the position where the athletes they are caring for, may come to them in confidence regarding their health issues.

III) Cognitive and Communication abilities

The Athletic Training Program contains rigorous coursework that at times, may give the sense of feeling mentally overloaded with too much to learn and/or too many responsibilities to handle. In addition, students will be expected to demonstrate the ability to analyze, think critically, synthesize and integrate information both from previous athletic training courses and within current athletic training course so they may be able to collectively apply the knowledge they are acquiring. In the case where the student feels overburdened with any academic expectation, they are strongly encouraged to contact their supervising certified athletic trainer to develop a plan to handle the academic and/or clinical requirements of the Athletic Training Program. Every effort will be made to ensure the academic success of each student enrolled in the Athletic Training Program. *Please note that a minimum of a 2.5 GPA at Otterbein is required to enter the athletic training program.*

Athletic training students will also be expected to demonstrate and acquire interpersonal skills, which are appropriate for the many different personal and professional situations that they may encounter during their educational processes. Likewise, students must be able to demonstrate the ability to speak and write the English language in order to complete the requirements of the athletic training program.

IV) Requesting Special Needs

At the time of completion of the physical examination, students who feel that they need special accommodations in order to complete the athletic training program, may do so on the advice of the team physician, athletic training program director, and head athletic trainer of Otterbein College. All potential needs will be designed in accordance with institutional standards and academic policies. Students may contact the Academic Dean's office at any time if they wish to discuss available academic support services that are offered at the college.

V) Immunizations

As stated in the athletic training student manual, athletic training students are also required to have a complete immunization record. This is the same requirement of athletes and the immunization record should be complete at the time that the physical is conducted.

Athletic training students, upon admission to the Athletic Training Program, must receive a physical that is identical in nature to the physical received by all athletes wishing to participate at Otterbein College. At the time of the physical, the athletic training student will be given the technical standards statement of the Athletic Training

Program, and they will be required to sign and date the statement. A signature will indicate that each student fully understands the physical and cognitive requirements of the program.

Students wishing to enter the Athletic Training Program who have either a physical or cognitive disability will be evaluated on a case-by-case basis to determine the degree of accommodations that must be made in order to comply with the demands of the Athletic Training Program. Accommodations may take the form of physical help or accommodations from faculty, staff and students, assigning a tutor or academic help through the Academic Support Center, or other means to seek the health, safety, and academic success of each athletic training student.

The course of study in **Health Education** may lead to licensure for teaching health in the public schools. Students not interested in teaching licensure but are considering a career in health-related work should review the program in Health Promotion and Fitness. Students will be prepared to sit for the Certified Health Education Specialist Exam.

Health Promotion and Fitness majors will combine the skills of a health promotion specialist with a major emphasis in the service areas to allow them to seek careers in corporate wellness, pesonal training and community health. Possible employment would be in corporations, recreation centers, fitness clubs, non-profit health agencies, health-care facilities, government agencies and state and local health departments. This major has a science background.

The course of study in **Physical Education** may lead to the special licensure for teaching physical education in the public schools. Students not interested in licensure may consider related fields and careers and should review the programs in Sport Management and or in Health Promotion and Fitness.

The academic coursework in the **Sport Management** major allows for skill and knowledge development that will prepare individuals for possible employment with professional sports teams, colleges and universities, corporations, and commercial sport establishments. Individuals wishing to pursue an advanced degree in sport management will have received a strong academic and practical skill foundation in sport and business that will enable them to continue their education.

Health Education Courses (HLED)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***HLED* 150 CARE AND PREVENTION OF ATHLETIC INJURIES** **3 hrs**

This course introduces the prevention, recognition, disposition and treatment of athletic injuries as approached by coach/teacher professional. Basic conditioning, identification of injury, predisposition factors, basic evaluation and treatment of injuries and taping/bracing principles will be presented. *This course is open to students other than those majoring in Athletic Training.*

***HLED* 160 BASIC ATHLETIC TRAINING** **4 hrs**

A study of the athletic training profession and duties of the certified athletic trainer. NATA history and structure, basic injury evaluation, treatment, conditioning and CPR/First Aid are major aspects of focus. *Open to Athletic Training majors only.*

***HLED* 161 BASIC ATHLETIC TRAINING LAB** **1 hr**

This course is designed to supplement the HLED 160 course - Basic Athletic Training. As a laboratory course, the student will learn the necessary clinical skills associated with the didactic learning that is being taught in the classroom portion of the associated athletic training class. *Co-req: HLED 160.*

***HLED* 180 PROFESSIONAL PERSPECTIVES IN HEALTH EDUCATION** **2 hrs**

This course is designed to acquaint students with basic information, history, philosophy, professional organizations and competencies unique to Health Education in the school, worksite, and community settings. The competencies for entry-level health educators will be introduced in this course and a portfolio documenting achievement in each competency will be started.

***HLED* 200 HEALTH AND FITNESS TECHNOLOGIES** **2 hrs**

A skill-oriented course designed to introduce students to presentation skills and technologies utilized in the health promotion, health education, and physical education fields. *Open only to Health Education, Health Promotion and Fitness, and Physical Education majors or permission of the instructor.*

***HLED* 210 COMMUNITY HEALTH** **3 hrs**

This course focuses on personal, social and environmental health issues that affect community health. It will address population-based strategies designed to reduce prevalence of health risk factors and incidence of disease and injury in various population groups and settings. Involvement of students in health education skills including hands-on assessment of needs, program planning, implementation and evaluation of community health initiatives will be included.

***HLED* 220 NUTRITION AND FITNESS** **5 hrs**

This course focuses on nutrition needs of individuals at various stages of the life cycle and at varying levels of physical activity. Emphasis is on understanding how the biological process involved in nutrition relate to practical daily dietary practices and long term health status. Students will experience hands on application of health education skills including needs assessment, dietary change strategies, evaluation, and communication of nutrition information.

***HLED* 240 NUTRITION AND PHARMACOLOGY** **5 hrs**

Upon completion of this course, students will be able to have a basic understanding of "normal" nutrition and the role that nutrition plays in the physically active individual. Students will be able to understand how specific nutritional concepts can be applied to their own dietary habits as well as those of the athletes they are working with. Students will also understand how basic pharmacological agents can affect the

body and physical activity. Along with using sound nutritional practices, the student will be able to understand the indications, contraindications, precautions, and interactions of medications and they may affect and/or alter physical activity. *Prereq: LSC 108 and 109.*

***HLED* 250 HEALTH EDUCATION FOR EARLY CHILDHOOD** **3 hrs**

This course studies the components of the Comprehensive School Health Program and the role of the early childhood educator. It focuses on the ability to create, select, and evaluate developmentally and functionally appropriate health materials, methods, equipment, and environments. Emphasis is placed on integrating school, family, and community resources to insure sound health promotion programs for early childhood education. This course is required only of those seeking early childhood teacher licensure.

***HLED* 260 ADVANCED ATHLETIC TRAINING I** **3 hrs**

Common mechanisms and pathologies of common injuries and conditions to the lower extremity. Evaluation of common injuries to the lower extremities will be an integral part of course content. *Prereq: HLED160 , L SC 108 and 109. Coreq: 100 internship hours.*

***HLED* 261 ADVANCED ATHLETIC TRAINING LAB** **1 hr**

This course is designed to supplement the HLED 260 course - Advanced Athletic Training I. As a laboratory course, the student will learn the necessary clinical skills associated with the didactic learning that is being taught in the classroom portion of the associated athletic training class. *Co-req: HLED 260.*

***HLED* 265 ADVANCED ATHLETIC TRAINING II** **3 hrs**

Common mechanisms and pathologies of common injuries and conditions to the upper extremity. Evaluation of common injuries to the upper extremities will be an integral part of course content. *Prereq: HLED 260. Coreq: 100 internship hours.*

***HLED* 266 - ADVANCED ATHLETIC TRAINING LAB** **1 hr**

This course is designed to supplement the HLED 265 course Advanced Athletic Training II. As a laboratory course, the student will learn the necessary clinical skills associated with the didactic learning that is being taught in the classroom portion of the associated athletic training class. *Co-req: HLED 265.*

***HLED* 270 PERSONAL HEALTH** **5 hrs**

This course focuses on issues related to individual health status throughout the life span. It includes topics related to chronic and communicable diseases, injuries, nutrition, physical activity, substance use and abuse, human sexuality, mental health, and social/environmental factors affecting personal health. Involvement of students in health education skills including use of technology, personal assessment, planning and implementing personal health behavior change, reflection and communication of health information will be included.

***HLED* 280 FIRST AID** **3 hrs**

A study of emergency care of the injured or ill including accident prevention, principles and techniques of first aid and common medical emergencies and CPR. Students will obtain certification from the National Safety Council for first aid and from the American Heart Association for CPR. *Required for state certification for physical education majors.*

***HLED* 305 - EXERCISE PROGRAMMING FOR SELECTED POPULATIONS** **3 hr**

This course builds on the foundations established in previous course work when the focus was on exercise for the general population. As a health promotion and fitness instructor/facilitator, one will be exposed to increasingly diverse populations with wide-ranging challenges. Content focuses on specific characteristics and health challenges for children, older adults and women as well as recommendations for safe, effective physical activity for persons having major health problems such as coronary artery disease, diabetes, asthma and obesity. *Prereq: junior or senior HPED major.*

***HLED* 310 ALCOHOL, TOBACCO AND DRUGS: A HEALTH PERSPECTIVE** **3 hrs**

This course examines the historical, personal and cultural basis for current patterns of use, misuse, and abuse of drugs, alcohol and tobacco. Strong emphasis is placed on application of health education skills related to assessing needs, planning, implementing and evaluating substance abuse prevention program initiatives on campus, communicating health information and evaluation results.

***HLED* 315 - FITNESS LEADERSHIP** **3 hr**

This course will provide the learner with the opportunity to discover and practice working with an individual or group in an actual fitness/wellnesss setting. There will be delivery of information followed by practical application of such information in develping an effective leadership style that translates into positive growth of the fitness participant. *Preq: junior or senior HPED major.*

***HLED* 320 HUMAN SEXUALITY** **3 hrs**

This course explores human sexuality from a variety of perspectives including historical, psychological, biological, ethical, and legal. It will address the origin and diversity in attitudes and behaviors related to sexuality. Students will be involved with application of health education skills including exploration of community resources, research and communication of information related to human sexuality. Technology, reflection and application will be integrated into the course.

***HLED* 350 HEALTH EDUCATION PROGRAMS** **3 hrs**

This course is required for multi-age health education licensure and school nurse licensure. Focus is on innovative teaching-learning experiences for health educators in all settings. Content includes curriculum, materials, technology resources, instructional methods, and assessment/evaluation techniques in health instruction in various settings and populations with a focus on PreK-12. Content will focus on the Coordinated School Health Program, Health Literacy, National Health Education Standards, Healthy People 2010 and CDC Risk Behaviors. *Prereq: HLED 180 and 270.*

***HLED* 351 HEALTH EDUCATION PROGRAMS FIELD EXPERIENCE** **2 hrs**

Laboratory experience in a health education setting for the multi-age health educator and school nurse.

***HLED* 380 HEALTH PROGRAM PLANNING AND EVALUATION** **4 hrs**

Introduction to current models of health education programming in a variety of settings. Addresses the issues of sociological, environmental, cultural and socioeconomic influences on health program planning and evaluation. Emphasis on application of knowledge and skills necessary to assess, plan, implement, and evaluate health promotion programs for multi-age populations. Includes service learning component. *Prereq or co-req.: HLED 210 and 350.*

***HLED* 385 JUNIOR ATHLETIC TRAINING PRACTICUM** **1 hr**

This course is designed to help junior athletic training major(s) connect their classroom instruction to their clinical education. Specific clinical competencies will be taught as well as current issues related to the student's clinical experiences to date. This course will provide reflection on the acquired athletic training knowledge as well an understanding and application of that knowledge to the clinical education setting. *Prereq: Junior standing in the Athletic Training Education Program or permission of the instructor.*

***HLED* 390 INDEPENDENT STUDY** **1-5 hrs**

Independent project in health education for qualified students. *Junior standing and permission of the instructor. May be repeated for credit.*

***HLED* 401 RESEARCH AND DESIGN IN ATHLETIC TRAINING** **1 hr**

The purpose of this course is to introduce the senior athletic training Bachelor of Arts major to scientific research in the field. Each student will identify an area of interest and carry out a mini-thesis as the senior capstone course. Through this project the student will gain an appreciation for literature search and review, research design and the oral and written skills developed in research writing. *May be repeated for a maximum of 3 credits. Prereq: MATH 230 and senior standing in the program.*

***HLED* 402 INTERDISCIPLINARY SEMINAR IN ATHLETIC TRAINING** **2 hrs**

The purpose of this course is to provide the senior athletic training major the opportunity to discuss and research current issues in the field of athletic training. This course is considered to be the culminating senior year experience for all athletic training majors. It will provide practical application of theoretical knowledge gained in the classroom by bringing all senior athletic training majors together to research, discuss, construct and formalize the individual philosophies that are being developed. *Prereq: Senior standing in the program.*

***HLED* 410 STRENGTH AND CONDITIONING I** **3 hrs**

This course is designed to bridge the gap between clinical exercise science related course work and the practical application skills of personal training. Learn how to properly screen and evaluate clients for safe participation in an exercise program, design and implement exercise prescriptions for multiple populations and goal attainment, and apply the principles of exercise in a personal training environment. An Advanced Personal Training Certificate through the National Council of Strength and Fitness is available upon successful completion of the course. *Pre-req: PHED 340 Kinesiology, PHED 440 Exercise Physiology, HLED 220 Nutrition and Fitness, L SC 111 and 112 Anatony and Physiology I and II.*

***HLED* 411 STRENGTH AND CONDITIONING II** **3 hrs**

A continuation of HLED 410-I. This course is designed to bridge the gap between clinical exercise science related course work and the practical application skills of personal training. Learn how to properly screen and evaluate clients for safe participation in an exercise program, design and implement exercise prescriptions for multiple populations and goal attainment, and apply the principles of exercise in a personal training environment. An Advanced Personal Training Certificate through the National Council of Strength and Fitness is available upon successful completion of the course. *Pre-req: HLED 410 Strength and Conditioning I.*

***HLED* 460 CLINICAL MODALITIES** **2 hrs**

A study of the physiological basis for application of modalities in the treatment of (common) athletic injuries. Principles of electricity, magnetic fields, heat transfer, cryotherapy and hydrotherapy will be covered. *Prereq: HLED 260 and 265, or permission of the instructor.*

***HLED* 461 THERAPEUTIC MODALITIES LAB** **1 hr**

This course is designed to supplement the HLED 460 course - Therapeutic Modalities. As a laboratory course, the student will learn the necessary clinical skills associated with the didactic learning that is being taught in the classroom portion of the associated athletic training class. *Co-req: HLED 460.*

***HLED* 470 PRINCIPLES OF REHABILITATION** **4 hrs**

A study of the components of rehabilitation protocols and exercise prescriptions. An overview of common surgical procedures and clinical applications of rehabilitation equipment. *Prereq: HLED 260, 265, 460, L SC 108 and 109, or permission of the instructor.*

***HLED* 471 REHABILITATION TECHNIQUES LAB** **1 hr**

This course is designed to supplement the HLED 470 course - Rehabilitation Techniques. As a laboratory course, the student will learn the necessary clinical skills associated with the didactic learning that is being taught in the classroom portion of the associated athletic training class. *Co-req: HLED 470.*

HLED 480 AWARENESS OF GENERAL MEDICAL CONDITIONS IN ATHLETIC TRAINING **1 hr**

This course is designed to bring an awareness to the student athletic trainer of general medical conditions that may be seen in the physically active population, specifically those conditions which may become exacerbated with physical activity. Common illnesses and diseases of all the bodies system will be explored, along with an understanding of their history, signs, symptoms and general treatment protocols. The roles of medical and allied health personnel in the referral, management, and treatment of athletes and others involved in physical activity suffering from general medical conditions will also be examined. A practical lab component is included with this course. *Prereq: Senior standing in the Athletic Training Education Program or permission of the instructor.*

HLED 481 GENERAL MEDICAL CONDITIONS LAB **1 hr**

This course is designed to supplement the HLED 480 course - General Medical Conditions in Athletic Training. As a laboratory course, the student will learn the necessary clinical skills associated with the didactic learning that is being taught in the classroom portion of the associated athletic training class. *Co-req: HLED 480.*

HLED 485 SENIOR ATHLETIC TRAINING PRACTICUM **1 hr**

This course is designed to help senior athletic training majors connect their classroom instruction to their clinical education. Specific clinical competencies will be taught as well as current issues related to the student's clinical experiences to date. This course will provide reflection on the acquired athletic training knowledge as well an understanding and application of that knowledge to the clinical education setting. *Prereq: Senior standing in the Athletic Training Education Program or permission of the instructor.*

HLED 490 INTERNSHIP **10-15 hrs**

Qualified students may elect 10-15 hours of Health Education 490 upon submission of a written proposal. Work must be contained within a single term and must be approved

by a department faculty member. Evidence of work on each project must be supported with a written paper and evaluation from the cooperative agency. *Students must apply one term in advance of the internship.*

Health and Physical Education Lifestyle Series (HPES)

Each of three courses (101, 102 and 103) is repeatable to a maximum of 2 credits; 3 courses required for graduation with 1 course from HPES 101, 1 from HPES 102 and 1 from HPES 103.

These courses meet the College requirement in health and physical education. Twenty class hours per course are spent in one of the required categories: health (HPES 101), fitness (HPES 102), and sport (HPES 103). Rhythmic and movement courses are spread throughout the three categories. The three required courses may be completed anytime during the student's freshmen, sophomore, junior, or senior year. The Health-related category (HPES 101) addresses wellness issues from an intellectual

perspective. (A few classes do include some active participation). The Fitness-related category (HPES 102) introduces wellness themes as well as active participation that promotes lifelong fitness and wellness. The Sport-related category (HPES 103) approaches sports and rhythmics from the basics of the activity with the desire to improve skills, develop appreciation for the activity, and increase knowledge of the activity's history, rules, strategies and etiquette. Students may take up to six classes for credit. *Students participating in intercollegiate athletics may not enroll in the same HPES 103 course as their varsity sport(s). (Example.- a volleyball player may not enroll in the Volleyball/Wallyball or Power Volleyball courses).*

***HPES 101* HEALTH - repeatable to a maximum of 2 credits** **1 hr**

Alexander Technique
A practical introduction to the somatic education theories and methods of F.M. Alexander, often employed by performing artists, but equally useful in sports and everyday activities. Students can reduce tension and enhance performance by refining their kinesthetic persception, and by bringing attention to common ingrained habits that interfere with the postural reflexes.

Body-Mind Awareness
This academic and experiential course will serve participants with an overview of the increasingly popular field also referred to as "Somatics." "What affects your body affects how you feel ... how you think and feel affects your body." Recent attention has been given to the Body-Mind connection through such works as "Healing and the Mind" on PBS and studies in the fields of psychology, medicine, immunology and education.

Health in the 21st Century
Look at the health issues that face those entering this 21st century and how these issues will affect our world.

Men's Health Issues
This course focuses on a holistic approach to male health issues providing knowledge, changing attitudes, and teaching skills to help lead healthier, longer lives. Current research is reviewed. Open to all students.

Movement Fundamentals
This course is both academic and experimental, and designed to help participants with an understanding of the mechanics of human motion for a wide range of activities including sports, dance, and martial arts, as well as general everyday activities. Emphasis is placed on movement efficiency, postural reorganization, injury prevention, and improved coordination. Utilizing several exercise systems, this movement course discusses and applies techniques for: Joint Mobility, Counter/movement-counter/stabilization, Homeolateral, Cross Lateral, Body-Half and Sequential Movement, and others.

Nutrition for Fitness and Health
Active, health-conscious people need to eat well to reach fitness goals. Maximize your fitness efforts with effective nutrient balance and hydration. Learn how to boost metabolism, lose body fat, and build muscle with food, exercise, and lifestyle choices.

Personal Health Appraisals
A course designed to allow student's the opportunity to assess their own personal health status using a variety of health risk appraisals. Students will also participate in physical activities and discuss recommendations necessary for making positive lifestyle changes.

Self Defense
Basic self-defense knowledge and practical defensive methods for individual use in the anticipation and prevention of a perpetrator and dangerous situations. This is not a martial arts or Kung Fu class.

Sexual Maturity
This course focuses on issues related to sexuality and patterns of behavior consistent with mature adults. Topics will address relationships, communication, reproductive health, cultural variations, sexual assault and sexuality education.

Sports Nutrition
Optimal athletic success can only be achieved with training, practice, and eating a high performance diet. The course will review current sports nutrition guidelines.

Stress Management
Learn about stress so that you are better able to handle the various stresses of life.

Surviving College the Healthy Way
Current health topics as related to college life adjustments. Recommended for freshman.

Tai Chi Kung
An Oriental self–discipline often referred to as "Chinese Yoga" and "Taoist Yoga." Participants practice the Chinese art of energy balance, bringing the body-mind into a healing state of clarity and equilibrium utilizing several styles of the practice including Tai Chi Chuan. [A Chinese bodymind discipline designed for healing, awareness and use as a martial art.]
(**Tai** = Supreme/Ultimate, **Chi** = Energy, **Kung** = work/exercise **Chuan** = Fist). **Qigong** [Chi Kung] = Ultimate Taoist energy exercise

The many benefits of Tai Chi include: Improvement of mental concentration, self-confidence, self-awareness, natural breathing and movement, blood circulation, organ function, flexibility, strength, balance and endurance, and the development of focus, clarity and calmness. The healing benefits of Tai Chi, *as a moving form of Qigong [Chinese Yoga]* have been recognized in China for many generations and are now receiving acceptance in the western medical community.

Weight Management
Classroom discussion on weight management techniques and physical exercise participation to develop a weight management lifestyle plan.

Women's Health Issues
This course focuses on the origins and status of women's health issues across the life span. Topics will include health disparities, nutrition, violence against women, reproductive health, chronic diseases, alternative/complementary health practices, mental health issues, and occupational health issues. Current information and resources will be explored. Open to all students.

Yoga Relaxation
Gentle stretching and guided visualization through a variety of yoga systems will provide participants with an understanding of basic yoga as a means of stress management for self practice.

***HPES 102* FITNESS - repeatable to a maximum of 2 credits** **1 hr**

Dance: Jazz
An introduction to jazz dance. No prior experience required.

Dance: Novelty, Folk and Line
Learn a variety of non-partner dances (U.S. novelty, folk, country western, disco). No experience needed-two left feet are OK.

Dance: Recreational Folk
Recreational folk dances from a variety of countries. This course is especially good for education majors meeting "art in education" standards.

Dynamic Tone
Matwork that employs traditional sports exercise, modern dance, Pilates Method, Bartenieff Fundamentals, Yoga and other east/west techniques. This class focuses on a full body, deep toning workout with emphasis placed on techniques, movement efficiency and injury prevention.

Exercise Walking
Participation course with techniques for turning walking into a lifelong fitness activity. Individualized progression. Held indoors and outdoors.

Feldenkrais Method
A practical introduction to the somatix education theories and methods of Moshe Feldenkrais - a synthesis of Western discoveries about learning and developmental movement with insights from traditional Eastern martial arts. This class will present gentle floor exercises that explore very basic movements in great detail, to develop the ability to use one's body with greater ease, comfort, pleasure and power.

Fitness for Life
Classroom and activity experiences that teach students about healthy behaviors and lifestyles for throughout the lifespan. Active participation required.

Jazz/Aerobics
Injury prevention and technique warm-up with postural alignment. Exercises are designed to strengthen and protect the ankles, hips, knees and spine. Aerobic warm-up and workout with focus on having fun with the music. Cool down finishes with Dance, Tal Chi and Yoga stretching.

Jogging
Develop an appreciation and understanding of jogging/walking for a healthier lifestyle.

New Games
Develop skills in problem solving, creative thinking and expression, leadership and teamwork while having fun playing a variety of cooperative games where athletic ability is not a requirement.

Personal Fitness Programs
Develop an individualized fitness plan through Microfit assessment and improve health through physical activity.

Pilates
This non-impact, anaerobic, gentle and effective exercise program is recognized worldwide. It is renowned for increasing strength and flexibility, improving alignment and coordination, and synchronizing mind and body. It will promote ease and efficiency of movement and improved posture through focused, slow, careful, and controlled exercises.

Rock Climbing
The goal of this course is to teach the student the fundamentals of rock climbing. Students will learn basic climbing techniques, how to belay, how to rappel, how to establish an anchor, and important climbing safety techniques.

Tang Soo Do: Martial Arts
A Martial Arts course requiring mental and physical coordination which teaches hand and foot fighting based on the scientific use of the body in self-defense.

Weight Training
Novice course with basic fundamental techniques developed in a steady personal program.

***HPES 103* SPORT - repeatable to a maximum of 2 credits** **1 hr**

Archery
Basic beginning skills on a short shooting range.

Badminton
Basic fundamental skills and techniques course for singles and doubles play.

Basketball
Basic fundamental skills and strategies of the game. Skill development through drills and game play. Not a course for the experienced player.

Billiards
Exposure to the major skills and strategies associated with this recreational game. Taught at an off-campus site.

Bowling
Basic skills, techniques and knowledge promoting bowling as a lifelong recreational activity. Taught at an off-campus site.

Dance: Ballroom Glide
Provides a basic understanding of Waltz, Foxtrot and Authentic Argentine Tango. Utilizing several interrelated dance steps and rhythms with an emphasis on partnering techniques. Students will develop the basis of how to partner any social dance.

Dance: Modern
An introduction to modern dance. No prior experience required.

Dance: Social Latin
Provides a basic understanding of traditional social Latin Dance [Rumba, Salsa/Mambo, Merengue, Samba and Cumbia] Utilizes several interrelated dance steps and rhythms with an emphasis on partnering techniques. Sudents will develop the basis of how to partner any social dance.

Dance: Swing (Jitterbug, Lindy-Hop)
An introduction to the various styles of popular swing dance. Participants will learn coordination, rhythms and lead/follow techniques that will enable them to dance with a variety of partners.

Dance: Tap
An introduction to tap dance. No prior experience required.

Fencing
Beginning skills for foil fencing. Includes bouting and judging experience.

Golf
Beginning: Introduction to the basic skills, rules and knowledge of the game for an appreciation of this lifelong sport.
Intermediate: A course designed for students who have previously played golf. Focus is on rules, etiquette and mechanics. Thirty six holes of play required by completion of the course.

Handball
Beginning basic skills for singles and doubles play.

Horseback Riding
Safety and good horsemanship are stressed throughout all courses. During the 10 week academic quarter students receive a weekly class of one hour in dressage, hunt seat, or eventing. Students will develop the skills necessary to compete in interscholastic/intercollegiate and/or open horse shows. Beginning riders will learn basic introductory skills in riding and horse care. Students must supply their own hard-soled, over-the-ankle boots. ASTM / SEI helmets and all other riding equipment are provided. New students must ride for the instructor before or during the first week of the quarter for placement into the appropriate level. All students must complete and pass the physical fitness test before they may ride. *All riding lessons carry an additional fee which is published in the Schedule of Classes available at the Registrar's Office.*

The Informed Spectator
Sitting in the stands is more enjoyable when the fundamentals of the sport are understood. For the sport non-enthusiast. Mostly classroom with some activities.

Racquetball
Introductory course in the basic skills and techniques, rules and strategies for recreational and competitive play.

Soccer
A "feet on" introduction to the techniques, tactics and rules of the sport.

Softball
Basic individual and team skills and strategies for recreational play.

Sports in America
A sociological look at sports in the American culture. Topics covered include violence in sport, sports media, role models/celebrities; sport inequity, and current issues in sport.

Tennis
Beginning: Basic fundamental skills necessary to compete recreationally in singles and doubles. Not for the experienced players.
Intermediate: Players must possess basic skills and knowledge of tennis. Will improve ability through drills and game play so as to place one in a competitive situation with others of like talent.

Frisbee/Disc Games: Class covers various disc games, rules and strategies including Ultimate Disc Golf and Goaltimate.

Volleyball: Power
Advanced techniques and skills of volleyball for competitive participation.

Volleyball: Recreational
Learn to play and enjoy volleyball in a less stressful setting than power volleyball. Beginners are encouraged to join this class.

Volleyball/Walleyball
Basic introductory approach to the skills and knowledge of two recreational sports.

Physical Education Courses (PHED)

***PHED* 120 CAREER OPTIONS IN SPORT, PHYSICAL ACTIVITY, AND WELLNESS** **3 hrs**
This elective course is for the student who wants a career related to sports and/or wellness, but is not sure of all the opportunities and possibilities. The course provides an introduction and overview of possible careers coming out of the five majors offered in the Department of Health and Physical Education: Athletic Training, Health Education (teaching and non-teaching), Health Promotion & Fitness, Physical Education (teaching and non-teaching), and Sport Management. It also provides an overview of historical, philosophical, behavioral principles and basic facts applied to the various professional fields. *Prereq: freshman or sophomore standing or permission of instructor.*

***PHED* 130 MOTOR DEVELOPMENT** **3 hrs**
This course involves the study of motor maturation and development variances affecting motor efficiency in individuals. The focus is on the application of lifespan foundational growth and motor development knowledge needed by the Physical Education professional. *Pre-req: PHED 170.*

***PHED* 140 MOTOR LEARNING** **3 hrs**
Study of the principles of motor learning and performance and the acquisition of practical knowledge about motor skills and performance; the factors which affect skill acquisition, motor performance, and the teaching-learning process. *Prereq: PHED 130 or permission of instructor.*

***PHED* 150 THEORY AND PRACTICE OF RHYTHMIC ACTIVITY** **5 hrs**
A concentrated study of basic rhythmic activities and various dance forms fundamental to and appropriate for the PreK-12 physical education program. This course should be taken immediately after PHED 130 is completed. *Prereq: PHED 130.*

***PHED* 170 PROFESSIONAL PERSPECTIVES IN PHYSICAL EDUCATION** **3 hrs**
This course is designed to acquaint students with basic information, history, philosophy, ethics, professional organizations and standards, and competencies unique to entry level physical educators in school and community settings. The Otterbein College Education Program as well as the State of Ohio licensure and the NASPE/NCATE national standards will be introduced in this course.

***PHED* 180 PROFESSIONAL PERSPECTIVES IN SPORT MANAGEMENT** **5 hrs**

An introductory course where the students are oriented to the academic and professional field of sport management and given a realistic glimpse into the challenges and opportunities that exist within the world of sport and sport-related organizations.

***PHED* 211 EARLY CHILDHOOD PHYSICAL EDUCATION FOR CLASSROOM TEACHERS** **3 hrs**

This course focuses on physical education for the preschool-primary age child (ages 3-8) from the prospective of the classroom teacher. Emphasis will be on acquiring a basic understanding of and screening strategies for normal motor development; developmentally appropriate motor programming for all children; and teaching strategies for effective learner-task-environment (materials, equipment, etc.) interrelationships which enable young learners to develop the fundamental motor and rhythmic skills that form the basis of all games, dance, and sport activities. Attention will also be given to the importance of integrating movement across the curriculum for increasing learner ownership of content concepts and skills. *Prereq: EDUC 160 and INST 130, or permission of instructor.*

***PHED* 212 EARLY CHILDHOOD PHYSICAL EDUCATION** **3 hrs**

This course focuses on physical education for the preschool-primary age child (ages 3-8) from the prospective of the physical education specialist. Emphasis will be on acquiring a basic understanding of and screening strategies for normal motor development; developmentally appropriate motor programming for all children; and teaching strategies for effective learner-task-environment (materials, equipment, etc.) interrelationships which enable young learners to develop the fundamental motor and rhythmic skills that form the basis of all games, dance, and sport activities. Attention will also be given to the importance of integrating movement across the curriculum for increasing learner ownership of content concepts and skills. *Prereq: EDUC 160, INST 130 and PHED 130/140/150; or permission of instructor.*

***PHED* 220 EARLY CHILDHOOD PHYSICAL EDUCATION FIELD EXPERIENCE** **2 hrs**

Laboratory experiences in early childhood physical education for physical education majors in teacher education. *Take concurrently with PHED 212.*

***PHED* 240 LEGAL ASPECTS OF SPORT, HEALTH, AND PHYSICAL ACTIVITY** **5 hrs**

A study of the fundamental principles that directly affect sport, physical activities and wellness programs; and the individuals who are involved in creating and delivering such programs. Case studies based on lower court decisions are identified.

***PHED* 250 SOCIOLOGY AND PSYCHOLOGY OF SPORT** **4 hrs**

A course designed to examine the interplay and impact of various sociological groups' behaviors and individual psychological profiles upon Domestic and International sport.

***PHED* 290 TECHNIQUES AND STRATEGIES OF COACHING** **2 hrs**
A study of the philosophies, ethics, methods, strategies and mechanics of coaching. *Prereq: open to Physical Education majors/minors and Coaching minors only, or permission of instructor.*

***PHED* 290.10 BASEBALL**	**2 hrs**
***PHED* 290.20 BASKETBALL**	**2 hrs**
***PHED* 290.30 FOOTBALL**	**2 hrs**
***PHED* 290.40 POWER VOLLEYBALL**	**2 hrs**
***PHED* 290.50 SOCCER**	**2 hrs**
***PHED* 290.60 TRACK AND FIELD**	**2 hrs**

***PHED* 310 TECHNIQUES OF TEAM SPORTS** **4 hrs**
A study of principles and techniques of team sports. A presentation of learning experiences enabling students to gain knowledge of the rules and etiquette, basic skills, and strategies for team sports. *Prereq: junior standing or permission of instructor*

***PHED* 320 TECHNIQUES OF INDIVIDUAL AND DUAL SPORTS** **4 hrs**
A study of the principles and techniques of individual and dual sports. A presentation of learning experiences enabling students to gain knowledge of the rules and etiquette, basic skills and strategies for individual and dual sports. *Prereq: junior standing or permission of instructor*

***PHED* 330 DEVELOPMENTAL TEACHING METHODS IN PHYSICAL EDUCATION FOR GRADES 6-12** **3 hrs**
A study of physical education teaching methods as they pertain to the 4-12 grade levels. Involves teaching methods and materials in physical education and techniques for implementing classroom strategies. *Prereq: junior standing or permission of instructor*

***PHED* 340 KINESIOLOGY** **5 hrs**
A study of the science of human motion including anatomical fundamentals, mechanics and applied principles of basic motor skills. Two sections offered; one for athletic training majors and one for physical education majors and coaching minors. *Prereq: L SC 111, or permission of instructor.*

***PHED* 360 ADAPTED PHYSICAL EDUCATION** **3 hrs**
A study of physical education programming adjustments to accommodate children identified with special needs. It includes the legal basis and processes for identification, placement, support and programming strategies for infants to young adults as well as lifetime leisure opportunities. *Open to juniors and seniors only; Prereq: PHED 212/220 and one course from PHED 310/320/330; or permission of instructor.*

***PHED* 370 ADAPTED PHYSICAL EDUCATION FIELD EXPERIENCE** **2 hrs**
Laboratory experience in adapted physical education for health and physical education majors in teacher education. *Take concurrently with PHED 360.*

***PHED* 380 ORGANIZATION AND MANAGEMENT: HEALTH, PHYSICAL EDUCATION, SPORT MANAGEMENT OR ATHLETIC TRAINING** **5 hrs**

The nature, culture, and mechanisms of organizations and management of educational, athletic, sport and leisure, and athletic training programs. *Open to juniors and seniors or permission of the instructor.*

***PHED* 381 ORGANIZATION AND MANAGEMENT LAB** **1 hr**

This course is designed to supplement the PHED 380 course – Organization and Management: Athletic Training. As a laboratory course, the student will learn the necessary clinical skills associated with the didactic learning that is being taught in the classroom portion of the associated athletic training class. *Coreq: PHED 380*

***PHED* 385 SPORT MARKETING** **5 hrs**

The application of the prinicples of promotion and marketing to the sport and fitness industry including the area of professional sports, corporate fitness, college/high school athletics, clubs and resorts. *Prereq: ECON 210, junior or senior status.*

***PHED* 390 INDEPENDENT STUDY** **5 hrs**

This course affords sport management and health promotion and fitness management students the opportunity to engage in non-classroom learning or career exploration under the supervision of a qualified individual. Students are expected to analyze critically and evaluate their practical experiences in light of their coursework and career plans. *Sophomore standing and permission of instructor required.*

***PHED* 392 EVENT PLANNING AND FACILITY MANAGEMENT** **4 hrs**

This course serves a dual purpose. First, it provides the students with actual, hands-on experience, managing a sport and/or fitness-related event. Emphasis is placed on the creation, organization, identification; sponsorship, marketing and promoting, implementation, and evaluation of an "event" within the sport and/or fitness context. Secondly, it provides the students with the knowledge, understanding, and competencies required for the management of a sport and/or fitness facility. Emphasis is placed on planning, designing, promoting, financing, operating, and maintaining a sport and/or fitness facility or complex.

***PHED* 410 MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION, SPORT AND WELLNESS** **4 hrs**

This course will focus on the basic concepts of testing, measuring, and evaluating various forms of sport, physical activity, and wellness; evaluating and interpreting results of data from tests and performances, and making fundamental and valid decisions. *Open to juniors and seniors.*

***PHED* 440 EXERCISE PHYSIOLOGY** **5 hrs**

A study of the effect of exercise on the physiology of metabolism, circulation, respiration and muscle function. Athletic performance will be examined with factors such as environment, body composition, nutrition, ergogenic aids and training. *Prereq: L SC 111, 112 or permission of instructor.*

***PHED* 480 PRINCIPLES AND PRACTICES OF PHYSICAL EDUCATION** **4 hrs**

A reflective study of the underlying principles and the nature of physical education as it relates to the issues and trends of contemporary physical education and sport in our culture. *Open to seniors only.*

***PHED* 490 INTERNSHIP** **10-15 hrs**

This program provides the sport management and health promotion and fitness management students with 300-450 supervised hours of practical experience in an area of their career interest. Students must elect 10-15 credit hours, submit a written proposal, and seek approval by a Department faculty member. Internships are done within 1-3 academic quarters and are available in recreation, athletics, corporate fitness centers, athletic clubs, professional sports, country clubs, etc. This course is taken concurrently with SYE 490. *Senior standing required. Students must obtain a PHED 490 Internship Guidelines Manual and apply one term in advance of the internship.*

HISTORY AND POLITICAL SCIENCE

Halbert (chairperson), Cooper, Fatherly, MacLean, McCormick, Rose, Washington, Yntema.

Mission and Programs

The Department of History and Political Science, with eight full-time faculty, defines its mission as supporting both its majors and the Integrative Studies Program in order to teach critical thinking and writing skills, to help students develop an appreciation of our diverse world, and to prepare students for careers and professions.

The department offers majors and minors in History and Political Science, houses the interdisciplinary major in International Studies, and the Legal Studies minor. Faculty from the department also teach INST 150, the required Western History course, INST 160 Geography, and occasionally sections of other Integrative Studies courses. The department also contributes to the Education Department and Honors program.

B.A. degree with a major in History

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 50 hrs):

- ❑ one 100-level History Foundation course from HIST 110 and 120 - 5 hrs
- ❑ one 200-level History Foundation course from among HIST 200, 210, 220 - 5 hrs
- ❑ one 200-level History Foundation course from among HIST 245 or 246 - 5 hrs
- ❑ one Historical Methods course: HIST 280 - 5 hrs
- ❑ one Advanced American History course from among HIST 345, 351, 355, 361, 371, 381, 425, 430, 435, 440 and 445 - 5 hrs
- ❑ one Advanced European History course from among HIST 300, 305, 315, 340, 405, 410 and 420 - 5 hrs
- ❑ one Advanced Asian History course from HIST 325, 330, 335, 450 and 455 - 5 hrs
- ❑ additional HIST electives at 300/400 level to reach at least 30 total HIST hours at the 300/400 level - 15 hrs
- ❑ a grand total of at least 50 HIST hours

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exception/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed

Minor in History

Required (at least 25 total hours):

❑ All hours from among any HIST courses

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

It is highly recommended that history majors also take 10 quarter hours at the 200 level or above from a choice of disciplines related to history, including political science/international relations, economics, sociology, philosophy, religion, art history, and psychology. Students should consult their advisers to determine the best selection of electives in history and related disciplines. Majors are encouraged to take History 280, History Seminar, in their freshman or sophomore year. Students interested in pursuing graduate studies are advised to attain reading proficiency in at least one foreign language and are encouraged to enroll in the college Honors program.

Integrated Social Studies Teacher Licensure (grades 7 - 12): Requirements for students seeking social studies teacher licensure are listed in the *Teacher Education Programs* handbook available in the Education Department. Social studies licensure candidates must follow the history major. Requirements for the history major and teacher licensure may differ somewhat, but both must be met to become licensed and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

B.A. degree with a major in Political Science

Requirements in the Core Curriculum:

❑ Integrative Studies - 50 hrs (specifics on p. 13)
❑ Foreign Language - 10 hrs (specifics on p. 15)
❑ Mathematics - 5 hrs (specifics on p. 15)
❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 50 hrs of P SC) :

❑ P SC 100 - 5 hrs
❑ P SC 115 - 5 hrs
❑ P SC 215 - 5 hrs
❑ P SC 222 - 5 hrs
❑ P SC 225 - 5 hrs
❑ P SC 230 - 5 hrs
❑ at least 15 hours of P SC electives at 300/400 level - 15 hrs
❑ a grand total of at least 50 P SC hours

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exception/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Political Science

Required (at least 30 total hrs):

❑ P SC 100 - 5 hrs
❑ P SC 115 - 5 hrs
❑ At least 10 hours at P SC courses at 200 level
❑ At least 10 hours of P SC courses at 300/400 level
❑ Any remaining hours from among other P SC courses.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

B.A. degree with a major in International Studies

Requirements in the Core Curriculum:

❑ Integrative Studies - 50 hrs (specifics on p. 13)
❑ Foreign Language - 10 hrs (specifics on p. 15)
❑ Mathematics - 5 hrs (specifics on p. 15)
❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (60 hrs or equivalent):

❑ one Foreign Language course from FREN 210 or SPAN 210, or higher (prerequisites may be required) - 5 hrs
❑ one European History course from among HIST 200, 210 and 220 - 5 hrs
❑ two History courses from among HIST 245, 246, 300, 325, 330, 335, 340, 410, 420 and 450 and 455 - 10 hrs
❑ one International Politics course: P SC 365 - 5 hrs
❑ two Political Science courses from among P SC 355, 380, 410, 482, 485, 488 and 492 - 10 hrs
❑ one Economics course: ECON 220 - 5 hrs
❑ two International Business courses from among BADM 370, 375, 385, 470, 492 and ECON 350 and 440 - 10 hrs
❑ one Sociology course from among SOCL 300, 385, 410 and 470 - 5 hrs
❑ one Humanities course from among ART 250 and 260, ENGL 232 and 333, FREN 240, RELG 270, 290, 340, 350, 360 and SPAN 230 and 240 - 5 hrs (if select FREN or SPAN, cannot double-count and use to also fulfill the "FREN 210 or SPAN 210 or higher" requirement previously listed)

- Students are encouraged to complete INST 160 and/or INST 180, as well as to engage in study abroad. Otterbein College administers a study-abroad program with Roehampton University in England, and other opportunities are available through the International Programs office of the College. Students participating in Study Abroad may earn up to 15 credit hours at Otterbein College. Students interested in pursuing graduate studies in international studies are encouraged to complete ECON 210, Microeconomics.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exception/additional comments on p.23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Program Outcomes

History: Fulfillment of the requirements in **History** qualifies students to pursue graduate work in history. Students entering Ph.D. programs prepare for careers in college-level teaching and research. Students also may follow up a B.A. in history with a master's degree in library science or master's program in public history, which will qualify them for positions in museum studies, archival work, or historic preservation. When the B.A. in History is undertaken in conjunction with the "Integrated Social Studies" program in the Education Department at Otterbein, graduates are qualified to teach history and/or social studies in the secondary schools. Because the discipline of history spans both the humanities and social sciences, students acquire a broad foundation of knowledge, which, when combined with the analytical and communication skills gained in pursuing a degree in history, are applicable to many career fields. As a result, students may pursue employment in such areas as law, journalism, government service, administration, and business.

Political Science: Fulfillment of the requirements in **Political Science** qualifies students to pursue professional employment in government service and public administration at the federal, state, and local levels. Graduates also are qualified for employment in non-governmental organizations that serve social and/or legal services. Students are prepared for graduate work in political science, international relations and the foreign service, and public administration. Graduates also may pursue law school. When undertaken in conjunction with the "Integrated Social Studies" program in the Education Department, graduates are qualified to teach civics-politics and/or social studies in the secondary schools. The liberal arts foundation of a political science degree offers skills that can be valuable in many career fields, including law, journalism, business administration, and research.

International Studies: Fulfillment of the requirements in **International Studies** qualifies students to pursue graduate work in political science, international relations, and programs to train foreign service officers. Graduates also are qualified for employment in non-government organizations that serve international publics. The competency in foreign language required by the International Studies major enhances employment opportunities for students in many career fields, including international business, journalism, and education.

History Courses (HIST)

Information about experimental courses, when offered, can be found on the Department website and will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

HIST 110 THE AMERICAN EXPERIENCE FROM THE COLONIAL ERA TO THE CIVIL WAR AND RECONSTRUCTION **5 hrs**

This course surveys the history of the United States from the earliest days of contact and colonization through the era of the Civil War. Considering America in this formative period, the course investigates the ways in which the process of building an independent and unified America was neither steady nor assured. In exploring major social, political, and economic developments, the course considers sources of both unity and fragmentation among Americans including people's competing visions of the nation, how and why those visions changed over time, and ultimately how those very tensions helped to define an American nation.

HIST 120 THE AMERICAN EXPERIENCE FROM THE GILDED AGE TO THE PRESENT **5 hrs**

Beginning with the industrial revolution of the last half of the 19th century, this course traces the impact of urbanization, immigration, two world wars, depression, and the Cold War on America's institutions, its people, and its ideas of freedom, opportunity, democracy, and diversity.

HIST 200 RELIGION, REVOLUTION, AND THE STATE: EUROPE 1500-1815 **5 hrs**

An exploration of the Reformation, European overseas expansion, the origins of the centralized state and capitalist economy, the Scientific Revolution and Enlightenment, the political and social revolutions of the17th and 18th centuries, and the causes of the Industrial Revolution.

HIST 210 NATIONALISM AND INTERNATIONALISM: EUROPE 1815-1919 **5 hrs**

A study of European diplomacy after the French Revolution, the rise of conservative, liberal, and socialist movements, the spread of nationalism and industrialization, the new imperialism, the origins of contemporary warfare and breakdown of the European state system in the First World War, and the causes of the Russian Revolution.

HIST 220 CONFLICT AND CRISIS: EUROPE 1919-present **5 hrs**

Traces the European political and social crisis between the wars, the formation of the Soviet state, the rise of fascism in Europe, the emergence of antifascist resistance, the causes and nature of the Second World War, the evolution of the Cold War, and the problem of European unity.

HIST 245 SURVEY OF PREMODERN ASIA **5 hrs**

This course is a survey of the history of East Asia (China, Japan, Korea) from the sixth century B.C. through the end of the eighteenth century. Students will learn the national histories of each of these countries, as well as develop a comprehensive understanding of the broad and lasting cultural heritage of East Asian civilizations. As a lower-division survey this course is designed to provide a broad and complete general understanding of Asian history in itself, as well to serving as a foundation for subsequent upper-division study in the field.

HIST 246 SURVEY OF MODERN ASIA **5 hrs**

This course is a survey of the history of East Asia (China, Japan, Korea) from 1800-present day. Students will learn the national histories of each of these countries, as well as develop a comprehensive understanding of their interrelationships as a regional block. As a lower-division survey this course is designed to provide a broad and complete general understanding of Asian history in itself, as well to serving as a foundation for subsequent upper-division study in the field.

***HIST* 280 HISTORY SEMINAR** **5 hrs**

A seminar required for majors in history, designed to acquaint students with basic procedures, materials and research tools used by historians. The course will also review the development of history as a discipline.

***HIST* 300 MODERN BRITISH HISTORY** **5 hrs (alt. yrs.)**

A study of British history from the 18th century to the present. The course examines the development of modern parliamentary government, changing class relations in industrial society, cultural change from the Victorian era to the present, and the rise and fall of the British Empire. The course is especially recommended to pre-law students and to majors in English.

***HIST* 305 ANCIENT GREECE AND ROME** **5 hrs (alt. yrs.)**

An exploration of ancient politics, society, and culture from the dawn of classical Greece to the rise of the Roman Empire. The course examines the archaic origins of ancient Mediterranean culture, the creation of the Greek city-state, the emergence of Athenian democracy and Roman republicanism, the transformation of Rome into an imperial, cosmopolitan state, and the development of classicism in art, drama, and philosophy.

***HIST* 310 MEDIEVAL HISTORY** **5 hrs**

This course examines the formation of Latin Christendom and the Western tradition between the fourth and fifteenth centuries. The course explores the transition between late antiquity and the early medieval era; the development of political, religious and social institutions during the early Middle Ages (500-900); and the flowering of Medieval culture during the High Middle Ages (1100-1350). Particular attention is focused on the intersection between classical, Christian and Germanic traditions, the geographic, social and economic development in Europe, the relation between the Church and political institutions, and the flowering of chivalry and of the arts.

***HIST* 315 RENAISSANCE AND REFORMATION** **5 hrs**

An exploration of the origins of the Renaissance and Reformation in Europe and the impact of these movements on European life and subsequent Western Culture. The course investigates the origins and aims of the Italian Renaissance and the impact of this movement on European culture, society and politics; the social and cultural background to the Reformation and the linkages between Renaissance humanism and leading reformers; and the relation of the Reformation and the Catholic Reformation to European politics and society.

***HIST* 325 DISCOVERING HISTORY IN KOREA** **5 hrs**

This course will explore the emergence of Korea as a modern state from the collapse and overthrow of their traditional monarchy at the turn of the 20th century up through the present day. Our study will include such topics as – the conflict and combination of traditional Korean values and practices with Japanese colonial policy during the colonial occupation of 1905-1945; Korea's search for a distinctive and modern national identity in the shadows of neighboring China and Japan; the origins and nature of the Korean civil war; the role of Korea in contemporary east Asian and international politics; current events concerning the continued division of the Korean peninsula and the threat of nuclear war.

***HIST* 330 MODERN CHINA** **5 hrs (alt. yrs.)**

A history of China from the Manchu Qing dynasty (1640s) to the present. Emphasis on the events leading up to the Chinese Revolution, as well as the philosophy and policies of Mao Zedong following the Revolution. The course will examine the role China plays in the globalization of the world economy, as well as the efforts by the Chinese Communist Party to maintain domestic control in the post-Mao era.

HIST 335 THE RISE OF MODERN JAPAN **5 hrs**

This course will explore the emergence of Japan as a modern state from the collapse of the feudal government in the mid-19th century up until the present day. Our study will include such topics as – the social, political, and economic foundations of Japan's constitutional monarchy; Japan's responses to, and practice of, imperialism and colonialism in East Asia; the relationships between the development of mass society/culture and authoritarian government in the 1930s and 1940s; American post-war occupation.

***HIST* 340 RUSSIA AND THE SOVIET UNION FROM 1917 TO THE PRESENT** **5 hrs**

Political, economic, social, cultural, and diplomatic history of Russia in the 20th century, with special emphasis on the roles of Lenin, Stalin, Khrushchev, Brezhnev, Gorbachev, Yeltsin and Putin.

***HIST* 345 OHIO HISTORY** **5 hrs**

A survey of the economic, cultural, political and social history of Ohio.

***HIST* 351 AMERICAN WOMEN'S HISTORY** **5 hrs**

This course provides an overview of the history of women in America from the colonial era through the present. It explores the lived experiences of a variety of women as well as changing definitions of gender roles. Particular attention is paid to both women's common experiences and the critical factors like racial and class statuses that made their lives quite different.

***HIST* 355 AFRICAN-AMERICAN HISTORY** **5 hrs (alt.yrs.)**

A study of the political and social history of the African-American community, from its roots in Africa, through the period of slavery, to the struggle for civil rights in the present day.

***HIST* 361 EARLY AMERICAN HISTORY** **5 hrs (alt. yrs.)**
This course explores the dominant themes and events of American history between 1492 and 1763. Using the lens of comparative colonization, it examines the complexities of cultural contact that occurred between Native Americans, Europeans, and Africans in the early days of North American colonization, the kinds of communities that emerged from these contacts, and the major challenges facing these colonial communities as they matured over the eighteenth century. Throughout, the course focuses attention on the tensions that underlay the colonization of America related to key issues such as land, race relations, economic systems, class structures, and political ideologies.

***HIST* 371 CIVIL WAR AND RECONSTRUCTION** **5 hrs (alt. yrs.)**
This course explores antebellum America, the expansion of slavery in the South, the deepening social and ideological divisions between the North and the South, the Civil War, and the reintegration of the union. Special attention will be paid to the cultural values that divided the nation, the experiences of African-Americans, and the meaning of this event in America's past.

***HIST* 381 REPUBLICANS v. DEMOCRATS : A HISTORY** **5 hrs (alt. yrs.)**
This course will investigate the impact that two world wars, the 1920s consumer revolution, the depression, the McCarthy Era and Cold War, the 1960s social revolution, and the post Cold War era had in creating the Republican and Democratic parties as we know them today. Special attention will be paid to the historic roots of the present-day divisions within each party and the influence of third parties.

***HIST* 390 INDEPENDENT STUDY** **1-5 hrs**
Independent study. *Prereq: Permission of instructor.*

***HIST* 405 EUROPEAN INTELLECTUAL HISTORY** **5 hrs (alt. yrs.)**
This course examines twentieth-century European thought against the background of modern historical crises and change. Topics include the reactions of European thinkers and writers to expanding technological and bureaucratic culture, their responses to revolutionary and antirevolutionary movements, their analyses of the spread of war, and their concepts of human freedom and responsibility. Through sources in social and psychological theory, literature, drama, and film, the course explores contemporary intellectual movements, including cultural modernism, psychoanalysis, critical Marxism, and existentialism.

***HIST* 410 THE HOLOCAUST AND THE TWENTIETH CENTURY** **5 hrs (alt. yrs.)**
A study of the history of the Holocaust, and of the diverse cultural means of communicating that history and conveying its implications. The course examines conditions in Germany and Europe after the First World War, the life of European Jewish communities in the early 20th century, the rise of Nazism in Germany and the nature of European collaboration and resistance, and the phenomena of totalitarianism and anti-Semitism. It studies the place of the Holocaust in 20th-century consciousness through memoirs, literature, film, visual art, and memorials.

***HIST* 420 ECONOMIC HISTORY** **5 hrs**

This course focuses on the development of pre-industrial European economies, the Industrial Revolution in Britain, the processes of Western industrialization, and social and political changes. Attention is focused on the changing role and place of households, businesses, and governments in the economy. Economic decision-making, both at the micro and macro-levels, is analyzed in its historical context.

***HIST* 425 AMERICAN ECONOMIC AND BUSINESS HISTORY**

5 hrs (alt. yrs.)

Examines the growth and transformation of the economy and businesses from the colonial era through the 1990s. The course explores the development of the pre-industrial colonial economy in the context of the broader Atlantic economy and westward expansion; the transformation of agriculture, industry, and trade in the 19th century; the growth of large-scale business in the late 19th and early 20th century; the interrelations between labor, business, universities, and government in the mid-20th century; and, the creation of the multinational firm and global economy. Economic decision-making, both at the micro and macro-levels, is analyzed in its historical context.

***HIST* 430 THE ATLANTIC WORLD** **5 hrs (alt. yrs.)**

This course examines the interconnections and interdependence that developed between the peoples of Europe, Africa, and the Americas between 1450 and 1800. Topics will include the development of trans-Atlantic slavery, the emergence of an integrated economy, the transmission of cultural ideas and artifacts, and comparative systems of colonization.

***HIST* 435 THE ERA OF THE AMERICAN REVOLUTION**

5 hrs (alt. yrs.)

In a few short decades, eighteenth-century American colonists staged the modern world's first successful colonial rebellion and created their own new political, economic, and social structures. This course examines the origins of their rebellion, the war that they waged to secure their independence, the new nation that they created, and the global ramifications of their actions.

***HIST* 440 AMERICAN DIPLOMACY AND THE COLD WAR**

5 hrs (alt. yrs.)

This course explores the origins and evolution of American policy in the Cold War within the broader context of America's isolationist, imperialist, and internationalist traditions. Emphasis is given to the role of domestic as well as external factors in shaping American policy, including the contributions of such figures as Woodrow Wilson, Franklin Roosevelt, Richard Nixon, Henry Kissinger, and Ronald Reagan.

***HIST* 445 SOCIAL PROTEST IN 20TH CENTURY AMERICA**

5 hrs (alt. yrs.)

This course explores the nature of social protest in twentieth-century America through a study of the origins and evolution of several grassroots social protest movements. Investigation focuses on a wide range of grassroots organizations that span the social and political spectrum, including, among others, the Anti-Saloon League, the Student

Non-Violent Coordinating Committee (SNCC), the National Organization of Women, and the Ku Klux Klan. Emphasis is placed on the diversity of purpose and membership of such organizations, the role of prejudice, the causes for success or failure, and the long-term impact on American society.

***HIST* 450 VIETNAM IN THE TWENTIETH CENTURY** **5 hrs (alt. yrs.)**
A history of Vietnam from the period of French colonialism to the present. Topics include the French War, the American War, and the development of Vietnamese society following national independence.

HIST 455 DEMOCRACY IN ASIA **5 hrs**
This course is an in-depth examination of the theory and practice of democracy as a political system in Asia. The class will address such questions as – definitions of "democratic government"; the correlations between democracy and social/economic equity; between democracy and imperialism; what foundations exist in East Asia for the practice of modern democratic government; and is there any merit to the concept of an "Asian model" for democratic government.

***HIST* 480 RESEARCH SEMINAR** **5 hrs**
The seminar provides an opportunity for independent historical research. Participants explore methodological approaches from history and related social sciences by directly applying these approaches to self-designed projects. Students familiarize themselves with classic and current directions of inquiry in their areas of concentration, and define their own research questions and strategies. Course develops skills of professional historical writing. Seminar is highly recommended to undergraduate students who intend to pursue graduate studies in history or related fields.

***HIST* 490 INTERNSHIP** **1-15 hrs**
Internships are available to majors upon submission of a written proposal. They are arranged individually, usually with local organizations or agencies, such as the Ohio Historical Association. The number of credit hours varies with the program agreed upon. Proposals must be submitted no later than three weeks before the end of the term preceding the term in which the internship begins. Approval from the department must be granted before registering for the internship.

Political Science Courses (P SC)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***P SC* 100 AMERICAN NATIONAL GOVERNMENT** **5 hrs**
A survey of the institutions, processes, and politics of the government of the United States. Particular emphasis is placed on the historical development of federalism, the Congress, the Presidency, the Judiciary, the national bureaucracy, political parties, and interest groups.

P SC 115 POLITICAL PHILOSOPHY **5 hrs**

An examination of the normative tradition in Western political inquiry. Emphasis on the post-Socratic concepts of the social contract and natural law, as well as modern debates on liberalism and conservatism, and capitalism and communism. Theoretical foundations of feminism and critical theory are also studied.

P SC 215 AMERICAN LEGISLATIVE PROCESS **5 hrs**

Examines the legislative and representative process with attention to the committee system, seniority, party leadership, and relations with other branches of government. Primary focus is on the U.S. Congress and its norms, rules, and procedures. *Prereq: P SC 100*

P SC 222 THE PRESIDENCY **5 hrs**

The evolution of presidential power and theories of presidential behavior. The function of the Electoral College and the primary system in presidential elections are examined. The role of the Executive Office and the bureaucracy is explored. *Prereq: P SC 100.*

P SC 225 JUDICIAL PROCESS **5 hrs (alt. yrs)**

Analyzes the role of federal and state courts as political institutions, with special attention to the roles of judges and lawyers in the judicial process. Civil and criminal courts are studied, as well as judicial norms and procedures. *Prereq: P SC 100 or permission of the instructor.*

P SC 230 METHODS OF INQUIRY **5 hrs (alt. yrs.)**

A seminar required for majors in political science, designed to acquaint students with basic procedures, material and research tools used by political scientists. Students will be introduced to qualitative and quantitative aspects of the discipline, including principles of probability, descriptive statistics, bivariate correlation and regression analysis utilizing political data. *Prereq: Completion of the College math requirement.*

P SC 310 STATE AND LOCAL GOVERNMENT **5 hrs (alt. yrs.)**

State and local government structures, operations, and intergovernmental processes in the United States. The state and local governments of Ohio are used as a basis for providing comparative analysis among states and local governments. *Prereq: P SC 100 or permission of instructor.*

P SC 325 PUBLIC ADMINISTRATION **5 hrs (every third yr.)**

Examines the policymaking process in which federal administrative agencies are involved. Organization theories, budgeting, personnel administration, decision-making theories are discussed. *Prereq: P SC 100 or permission of instructor. ECON 210 is recommended.*

P SC 335 THE ELECTORAL PROCESS **5 hrs (every third yr.)**

A study of the structure, functions, and operations of interest groups, political parties, public opinion, elections, and the media in American national politics. *Prereq: P SC 100, or permission of instructor.*

***P SC* 350 SELECTED TOPICS IN POLITICAL SCIENCE** **3-5 hrs**
An in-depth examination of a timely or specialized subject in American politics, international relations, or comparative government. *Prereq: permission of instructor. May be repeated once for credit when offered with a different topic.*

***P SC* 355 AMERICAN FOREIGN POLICY** **5 hrs (every third yr.)**
The course will focus on the problems involved in the formulation and execution of United States foreign policy, emphasizing the post-World War II period. *Prereq: P SC 100, or permission of instructor.*

***P SC* 365 INTERNATIONAL POLITICS** **5 hrs**
World political systems and theories of interaction in the global community; international issues and problems. *Prereq: P SC 100 or permission of instructor.*

***P SC* 270 THE POLITICAL FILM** **3 hr**
The Political Film provides an opportunity to examine the culture industry by investigating how movies (and entertainment more generally) structure ideology and inform a critique of political life. Power will be examined through a study of the way culture is framed, produced, and consumed. The course involves taking a critical approach to popular media, especially film.

***P SC* 370 ENVIRONMENTAL LAW AND POLITICS** **5 hrs**
This course evaluates the many different ways environmental issues intersect with the judicial and legislative branches of the governments. The course will analyze major environmental laws and their application through the courts, issues of environmental justice, the contemporary state of environmental politics, and the theoretical approaches used in policy formation.

***P SC* 375 WOMEN AND POLITICS** **5 hrs (alt. yrs.)**
This course will begin from a broad understanding of politics as the study of power. We will evaluate the development of feminist theory and the political ramifications of feminist thought. We will study how women have used the political process to have their issues addressed, and will focus on contemporary issues of social and political importance.

***P SC* 380 COMPARATIVE GOVERNMENT** **5 hrs (alt. yrs.)**
An introduction to the comparative method of analysis as applied to nation-states and regional governments of the world. Emphasis may be on western or non-western nation-states. *Prereq: PSC 100 or permission of instructor.*

***P SC* 390 INDEPENDENT STUDY** **1-5 hrs**
Independent study. Open only to majors in political science. *Prereq: permission of instructor.*

P SC 410 INTERNATIONAL LAW AND INSTITUTIONS
5 hrs (every third yr.)

Studies the evolution of international law as it has been generated from international conferences, regional organizations, intergovernmental organizations, the League of Nations, the United Nations and its International Court of Justice. Special attention is given to the legal status of states and dependencies, rules of international diplomacy, refugees, women, and the peaceful settlement of disputes. *Prereq: P SC 365, or permission of instructor.*

P SC 420 CONSTITUTIONAL LAW AND CIVIL LIBERTIES
5 hrs (every third yr.)

Analyzes the principles of the American constitution and Supreme court decision-making. A case method approach is used to examine concepts such as judicial review, separation of powers, equal protection of the law, race and sex discrimination, voting rights, the right to privacy, freedom of speech and religion, due process, and the rights of the accused. Principles of legal reasoning are discussed. The course is especially recommended for students preparing for law school or legal careers. *Prereq: Junior standing.*

P SC 440 AMERICAN POLITICAL AND LEGAL THOUGHT
5 hrs (every third yr.)

A study of the mainstream and radical currents in American legal and political thought which have shaped the American legal and political process. *Prereq: P SC 100 or PSC 115, or permission of instructor.*

P SC 482 MIDDLE EAST POLITICS **5 hrs (every third yr.)**

A study of contemporary domestic and foreign politics in the Middle East, including the Arab-Israeli conflict, the politics of oil, the impact of religion, the clash of national sentiments, and the role of global and regional powers in the affairs of these countries. *Prereq: P SC 365 or permission of instructor.*

P SC 485 EAST ASIAN POLITICS **5 hrs (every third yr.)**

A specialized historical examination of the military, political, social, and economic relations among nation-states of East Asia. *Prereq: P SC 365 or permission of instructor.*

P SC 488 AFRICAN POLITICS **5 hrs (every third yr.)**

Explores the post-colonial politics of sub-Saharan African states, with special reference to issues of nation-building, ethno-politics, challenges of development, regional cooperation, and Pan-African unity.

P SC 490 INTERNSHIP **1-15 hrs**

Open to majors in political science. Credit is available for work with governmental agencies, political candidates, lobbies, and other private institutions interested in the *public sector. Prereq: P SC 100.*

***P SC* 492 MODEL UNITED NATIONS** **3 hrs**

Studies the structure and processes of the United Nations through participation in Model U.N. programs. Students will represent delegates to a simulated U.N. forum, preparing background information on countries, issues, position papers, and resolutions. Parliamentary procedure also will be studied. *Prereq: P SC 365 or permission of instructor.*

HUMANITIES

Humanities Advisory Committee (coordinator)

Humanities Courses (Hum)

As a part of its efforts to support the humanities and their connection to programs across the Campus, the Humanities Advisory Committee allocates a part of its endowment income to bring visiting scholars to Otterbein to enrich the curriculum and the learning experience of the students and faculty.

Information about the experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

LEGAL STUDIES

Halbert (adviser)

The **Legal Studies** interdisciplinary minor is housed in the Department of History and Political Science. The department has designed the minor field to be valuable to students interested in the legal system.

The minor field focuses on the relationship between law and society and on the principles of legal thought and decision-making. Students will be exposed to analytical and communication skills that are demanded in law school and legal careers. Further, the minor's interdisciplinary approach will promote skills with diverse applications, including graduate study, programs in international relations, and social service careers. Students will gain greater understanding of the political and constitutional foundations of the legal system, and of the law's social implications.

The American Bar Association does not prescribe a specific set of courses that will prepare students for admission to law school. Admission to law school depends heavily on the Law School Admission Test (LSAT) score as well as on the grade point average attained in college.

Minor in Legal Studies

Required (at least 6 courses):

Core Courses (take all four)

❑ P SC 100	American National Government	5 hrs
❑ P SC 225	Judicial Process	5 hrs
❑ COMM 360	Argumentation and Advocacy	5 hrs
❑ P SC 420	Constitutional Law and Civil Liberties	5 hrs

Legal Thought and Institutions (choose one)

❑ P SC 370	Environmental Law and Politics	5 hrs
❑ P SC 440	American Political and Legal Thought	5 hrs
❑ P SC 410	International Law and Institutions	5 hrs
❑ PHIL 270	Symbolic Logic	5 hrs

Law and Society (choose one)

❑ BADM 350	Business Law	5 hrs
❑ MCOM 410	Media Ethics and Regulation	5 hrs
❑ SOCL 220	Sociology of Deviance	5 hrs
❑ SOCL 310	Criminology	5 hrs
❑ SYE 412	Media and the Law	5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

It is strongly recommended that Legal Studies students join the debate team.

LIFE AND EARTH SCIENCES

Hoggarth (chairperson), Bouchard, Gahbauer, Grove, Jessen-Marshall, Lawrance, Lehman, Lescinsky, Stahl, Wojta.

Mission and Programs

The mission of the Department of Life and Earth Sciences is the incremental development of core scientific competencies and intellectual skills, the provision of breadth and depth of educational opportunity, and the enhancement of a community that values learning. As scientists we believe that science is best learned by active enquiry and strongly encourage this at every level, including original student and faculty research projects.

The Department of Life and Earth Sciences offers majors in Life Science, Environmental Science and Molecular Biology. In addition, the department offers programs leading toward minors in Life Science and Earth Science. It is also the home department for the interdisciplinary Environmental Studies minor.

Majors in Life Science, Environmental Science, and Molecular Biology

Within the Life Science major five programs of study are offered: ecology, molecular biology, plant science, pre-professional health science, and general biology.

The **Ecology** program of study focuses on the recognition, examination, and understanding of environmental problems within an ecological context. Areas of study include: biodiversity, biological management, preservation of air, water and land quality, identification and inventory of endangered species and habitats, aquatic ecology, and preservation of wetlands and other natural habitats. The program prepares students for graduate research in ecology and environmental positions with government agencies or private firms.

The program emphasizes laboratory and field studies. Otterbein College students are encouraged to do a culminating research project or an internship in an appropriate laboratory or agency (e.g. the Ohio Department of Natural Resources, the Ohio Environmental Protection Agency, the Columbus Metropolitan Parks Systems). Students are encouraged to attend biological field programs such as those available at Stone Laboratories on Lake Erie, Highlands Biological Station in North Carolina, and Sea Semester at Woods Hole Biological Station on Cape Cod, Massachusetts.

The **Molecular Biology** program of study focuses on life at the molecular and cellular levels. Areas of study include the molecular structure of DNA and genomes; the cellular organization of life, cell specialization, and the manipulation of life through genetic engineering. This program is for students interested in combining the study of molecular biology with other programs and majors (e.g. secondary education, journalism, etc.) or a more broadly focused liberal arts education. Students interested in preparation for graduate and professional programs are encouraged to complete the molecular biology major (see below).

The **Plant Science** program of study prepares students for graduate programs, research and technical positions in the plant sciences. Areas of emphasis in Otterbein's

program include: 1) the fundamentals of plant morphology, anatomy, and physiology, 2) the interaction between plants and their pathogens, and 3) the impact of plant science on society from a traditional and molecular viewpoint. Lecture and laboratory experiences provide a solid foundation in botanical principles and provide a clear understanding of the importance of plant science to a range of topics including agriculture, biotechnology, and ecology. An independent research project in the plant sciences is strongly encouraged for each student.

The **Pre-Professional Health Sciences** program of study is appropriate for students wishing to apply to graduate programs in medicine, osteopathic medicine, chiropractic medicine, dentistry, veterinary medicine, optometry, podiatry, physician's assistant, or health-related science. In addition to coursework, experience with professional practitioners (such as through internships or independent research projects) is strongly recommended.

The **General Biology** program of study fulfills the college requirement of a Life Science major, and is appropriate for students who wish an individualized concentration of advanced Life Science courses. This program of study prepares students for biological careers that emphasize a breadth of knowledge in the field or for graduate programs in General Biology.

The **Environmental Science** major is designed to prepare students for work in environmental fields by providing a solid foundation in the natural sciences, expertise in physical environment, and the interdisciplinary scope needed by environmental professionals today. The major includes a core of courses in life and earth sciences and strongly suggests courses in other fields such as statistics and economics.

The department also offers a program of study leading to a major in **Molecular Biology.** Molecular biology integrates the principles and techniques of biology, chemistry and physics into the analysis of the macromolecules of living organisms with primary focus on nucleic acids and proteins. Students in the molecular biology major are strongly encouraged to complete an independent research project through either the honors, distinction, internship or independent study programs. The major is recommended for students interested in graduate studies in molecular and cellular biology, medical school, veterinary school and positions in the biotechnology industry.

Students majoring in Environmental Science, Molecular Biology, or Life Science must have a 2.0 average in L SC 101, 102 and 103 to progress to L SC 201, L SC 204 or E SC 205. Students must maintain a 2.0 average in L SC 201 and 202 (for Molecular Biology and Life Science majors) or L SC 204 and E SC 205 (for Environmental Science majors) to enroll in any 300 level courses in the department.

B.A. or B.S. degree with a Major in Life Science

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (60 hrs or equivalent)

- ❑ L SC 101 - 5 hrs
- ❑ L SC 102 - 5 hrs
- ❑ L SC 103 - 5 hrs
- ❑ L SC 201 - 5 hrs
- ❑ L SC 202 - 5 hrs
- ❑ L SC 298 - 1 hr
- ❑ L SC 398 - 1 hr
- ❑ L SC 498 - 1 hr
- ❑ CHEM 140 - 3 hrs
- ❑ CHEM 141 - 1 hr
- ❑ CHEM 150 - 3 hrs
- ❑ CHEM 151 - 1 hr
- ❑ CHEM 160 - 3 hrs
- ❑ CHEM 161 - 1 hr

One of the following five programs of study is also required:

1. Ecology program of study (take any four courses)

- ❑ L SC 302 - 5 hrs
- ❑ L SC 303 or 316 - 5 hrs
- ❑ L SC 304 - 5 hrs
- ❑ L SC 307 - 5 hrs
- ❑ L SC 308 or 317 - 5 hrs
- ❑ L SC 313 - 5 hrs
- ❑ L SC 315 - 5 hrs
- ❑ L SC 319 - 5 hrs

•Suggested electives include Earth Science 201/202/205/301/302; Chemistry 240/241/250/251/260/261; Computer Science 100; Life Science 204/208/212/213/214/250/390/490; and Math 230/231.

2. Molecular Biology program of study

Required:

- ❑ L SC 301 - 5 hrs

Electives (take any three)

- ❑ L SC 304 - 5 hrs
- ❑ L SC 305 - 5 hrs
- ❑ L SC 306 - 5 hrs
- ❑ L SC 308 or 311 - 5 hrs
- ❑ L SC 314 - 5 hrs
- ❑ L SC 317 - 5 hrs
- ❑ L SC 318 - 5 hrs

• Suggested electives include courses in Business, Chemistry, Education, Journalism, Life Sciences and/or other disciplines.

3. Plant Science program of study (take any four courses)

- ❑ L SC 301 or 304 - 5 hrs
- ❑ L SC 303 - 5 hrs
- ❑ L SC 308 - 5 hrs
- ❑ L SC 313 or 315 - 5 hrs
- ❑ L SC 316 - 5 hrs
- ❑ L SC 317 - 5 hrs
- ❑ L SC 318 - 5 hrs

• Suggested electives include Chemistry 240/241/250/251/260/261; Computer Science 100; Life Science 208/213/214/250/390/490; Math 170/180/230/231; and Physics 121/122/123 or 171/172/173 and 141/142/143.

4. Pre-professional Health Sciences program of study (take any four courses)

- ❑ L SC 301 - 5 hrs
- ❑ L SC 304 - 5 hrs
- ❑ L SC 305 - 5 hrs
- ❑ L SC 306 - 5 hrs
- ❑ L SC 309 - 5 hrs
- ❑ L SC 311 - 5 hrs
- ❑ L SC 314 - 5 hrs
- ❑ L SC 318 - 5 hrs

• Suggested electives include Chemistry 240/241/250/251/260/261/450/460; Computer Science 100; Life Science 208/211/215/250/390/490; Math 170/180/230/231; and Physics 121/122/123 or 171/172/173 and 141/142/143. Check with the premed adviser for admission requirements for specific professional programs.

5. **General Biology program of study** (take any 4 courses)

- ❑ L SC 301 - 5 hrs
- ❑ L SC 302 - 5 hrs
- ❑ L SC 303 - 5 hrs
- ❑ L SC 304 - 5 hrs
- ❑ L SC 305 - 5 hrs
- ❑ L SC 306 - 5 hrs
- ❑ L SC 307 - 5 hrs
- ❑ L SC 308 - 5 hrs
- ❑ L SC 309 - 5 hrs
- ❑ L SC 311 - 5 hrs
- ❑ L SC 313 - 5 hrs
- ❑ L SC 314 - 5 hrs
- ❑ L SC 315 - 5 hrs
- ❑ L SC 316 - 5 hrs
- ❑ L SC 317 - 5 hrs
- ❑ L SC 318 - 5 hrs
- ❑ L SC 319 - 5 hrs

- Suggested electives include Chemistry 220 or 240/241/250/251/260/261; Earth Science 101/201/202/205/301/302; and Life Science 204/208/211/212/213/214/215/250.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. or B.S. degree with a Major in Environmental Science

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Languages - 10 hrs for B.A. or 15 hrs. for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (75 hrs or equivalent)

Required Life Science courses (33 hrs)

- ❑ L SC 101 - 5 hrs
- ❑ L SC 102 - 5 hrs
- ❑ L SC 103 - 5 hrs
- ❑ L SC 204 - 5 hrs
- ❑ L SC 298 - 1 hr
- ❑ Any two electives from among LSC 302, 303, 307, 313, 315, 316 and 319 - 10 hrs
- ❑ L SC 398 - 1 hr
- ❑ L SC 498 - 1 hr

Required Earth Science courses (20 hrs)

- ❑ E SC 201 - 5 hrs
- ❑ ESC 205 - 5 hrs
- ❑ Any two electives from among ESC 202, 301, 302 - 10 hrs

Required Environmental Studies courses (10 hrs)

- ❑ ENST 101 - 5 hrs
- ❑ ENST 401 - 5 hrs

Required Chemistry courses (12 hrs)

- ❑ CHEM 140/141 - 4 hrs
- ❑ CHEM 150/151 - 4 hrs
- ❑ CHEM 160/161 - 4 hrs

- Suggested electives include Physics 121/122/123 or 171/172/172 and 141/142/143; Life Science 212/213/214/250/303/390/490; Earth Science 390/490; MATH 230/231; ECON 210/220/425; all courses in environmental studies minor.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. or B.S. degree with a Major in Molecular Biology

Requirements in the Core Curriculum:

❑ Integrative Studies - 50 hrs (specifics on p. 13)
❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
❑ Mathematics - fulfilled by meeting requirements in the major
❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (103 hrs or equivalent)

Required Life Science courses (48 hrs)

❑ L SC 101 - 5 hrs
❑ L SC 102 - 5 hrs
❑ L SC 103 - 5 hrs
❑ L SC 201 - 5 hrs
❑ L SC 202 - 5 hrs
❑ L SC 298 - 1 hr
❑ L SC 301 - 5 hrs
❑ Any three electives from among L SC 304, 305, 306, 308, 311, 314, 317 and 318 - 15 hrs
❑ L SC 398 - 1 hr
❑ L SC 498 - 1 hr

Required Chemistry courses (30 hrs)

❑ CHEM 140/141 - 4 hrs
❑ CHEM 150/151 - 4 hrs
❑ CHEM 160/161 - 4 hrs
❑ CHEM 240/241 - 4 hrs
❑ CHEM 250/251 - 4 hrs
❑ CHEM 260/261 - 4 hrs
❑ CHEM 450 - 3 hrs
❑ CHEM 460 - 3 hrs

Required Physics courses (15 hrs)

❑ PHYS 171/141 - 5 hrs
❑ PHYS 172/142 - 5 hrs
❑ PHYS 173/143 - 5 hrs

Required support courses (10 hrs)

❑ MATH 170 - 5 hrs
❑ MATH 180 - 5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

All students planning to enroll in Life Science 390 or 490 or Earth Science 390 or 490 must contact the department to obtain permission at least one term prior to enrollment.

Minor in Life Science

Required (at least 25 total hrs);

❑ All hours from among any L SC courses.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Earth Science

Earth Science examines all aspects of the planet earth including rocks and minerals, natural resources, landforms, oceanography, and the history of the planet and its life forms. The Earth Science program provides supporting courses for the Ecology concentration and the Environmental Science major. The minor in Earth Science helps prepare students for graduate programs in ecology, environmental sciences, and environmental studies.

Required (at least 25 total hrs):

❑ All hours from among any E SC courses.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Environmental Studies

For a description of the **environmental studies minor**, refer to p. 112 in this section of the catalog.

Life Sciences Teacher Licensure (grades 7 - 12): Requirements for students seeking Life Science teacher licensure are listed in the *Teacher Education Programs* handbook available in the Education Department. Requirements for the Life Science major and teacher licensure may differ somewhat, but both must be met to become licensed and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

Program Outcomes

The **Ecology** program prepares students for graduate research in ecology and environmental positions with government agencies and private firms.

The **General Biology** program of study prepares students for biological careers that emphasize a breadth of knowledge (e.g. secondary education) and provides flexibility for students whose goals are best served by an individualized curriculum.

The **Molecular Biology** program of study prepares students for entry-level positions in biotechnology, biomedical research and the pharmaceutical industry.

The **Plant Science** program prepares students for graduate studies, research and technical positions in the plant sciences.

The **Pre-Professional Health Sciences** program of study prepares students for programs in medicine, osteopathy, chiropractic, dentistry, veterinary medicine, optometry, podiatry, medical technology, physicians' assistants, and other health fields or graduate programs in the health sciences.

The **Environmental Science Major** prepares students for graduate studies and positions with government agencies and private environmental firms.

The **Molecular Biology Major** prepares students for graduate programs in molecular and cellular biology, professional programs (e.g. medical and veterinary schools) and positions in biotechnology.

The **Earth Science** minor helps prepare students for careers and graduate studies in environmental science and ecology.

Life Science Courses (L SC)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

L SC 101 INTRODUCTORY BIOLOGY I (MOLECULES, GENES, AND CELLS) — 5 hrs

Lecture and laboratory

The first course in the introductory sequence emphasizing a study of life at the molecular level. This course includes a basic foundation in biochemistry, molecular genetics and cell biology. The development of the central dogma and our current understanding of the molecular basis of gene structure, regulation and evolution as well as the many impacts of DNA on biology and society are considered. Laboratory exercises include basic techniques in biochemistry, genetic engineering, microbiology and cell biology. *Coreq: MATH 115 or 120 or permission.*

L SC 102 INTRODUCTORY BIOLOGY II (PLANTS, GENETICS, AND EVOLUTION) — 5 hrs

Lecture and laboratory

This is the second course in the sequence that studies cell structure and function, genetics, and anatomy/physiology of plants and plant-like organisms. Emphasis will be given to phylogenetic diversity of biological organisms. Laboratory exercises include detailed microscopic examination and exploration of bacteria, algae, fungi and nonvascular and vascular plants. *Prereq: L SC 101 or permission.*

L SC 103 INTRODUCTORY BIOLOGY III (ANIMALS AND ECOLOGY)

Lecture and laboratory — 5 hrs

The third course in the introductory sequence. This course will focus on the evolution of animal structure and function as well as the examination of animal diversity. Animals and their environments will be examined. Laboratory exercises will include a hands on examination of organisms that illustrate the principles discussed in lecture as well as field experiences in animal ecology. *Prereq: L SC 101 and 102 or permission.*

L SC 108 ANATOMY AND PHYSIOLOGY I — 5 hrs

Lecture and laboratory

The first of a two-quarter lecture and laboraory course in human anatomy and physiology with special emphasis on the integration of the body systems and the maintenance of homeostasis. Topics investigated are the molecules of life, cellular biology, micro-

scopic and gross study of tissues, the axial and appendicular skeleton, the muscular system, the hematological, cardiovascular, and respiratory systems. *Prereq: CHEM 110 or permission.*

L SC 109 ANATOMY AND PHYSIOLOGY II **5 hrs**

Lecture and laboratory

The second of a two-quarter lecture and laboratory course in human anatomy and physiology with special emphasis in the integration of the body systems and the maintenance of homeostasis. Topics investigated are the urinary system, acid-base and fluid balance, the digestive system and intermediary metabolism, the neurological, endocrine, and immune systems, genetics and aging. *Prereq: L SC 108 or permission.*

L SC 111 HUMAN ANATOMY AND PHYSIOLOGY I **5 hrs**

Lecture and laboratory

The first of a two-quarter lecture and laboratory sequence of courses in anatomy and physiology with an introduction to chemistry, cells and tissues and special emphasis on the bony skeleton, joints and the skeletal muscular system. The two-quarter sequence is a preparation for Kinesiology and Exercise Physiology, and is required of all Health and Physical Education Majors, and Health Promotion and Fitness majors. *Prereq: HLED 180 and coreq MATH 115, or permission.*

L SC 112 HUMAN ANATOMY AND PHYSIOLOGY 2 **5 hrs**

Lecture and laboratory

The second of a two-quarter lecture and laboratory sequence in anatomy and physiology with emphasis on the systems involved in exercise: nervous, endocrine, cardiovascular, hematological, respiratory, urinary, and digestive systems will be considered, with their role in metabolism and heat balance, and fluid, electrolyte and acid-base balance. *Prereq: LSC 111 or permission.*

L SC 201 GENETICS **5 hrs**

Lecture and laboratory

This course encompasses both modern and classical genetics. Topics include the application of Mendelian genetics, the molecular biology of genes and genetic analysis of complex traits. Laboratory activities include the use of fruit flies, fungi, plants and humans as model organisms to explore genetic principles. *Prereq: L SC 103 or permission.*

L SC 202 CELL BIOLOGY **5 hrs**

Lecture and laboratory

The cell is the fundamental unit of life. This course explores the ability of cells to grow and divide, communicate and perform metabolic processes. Topics include: energy transformation, respiration and photosynthesis, membrane transport, signal transduction, and organelle structure and function. The laboratory experience includes mastery of techniques such as differential centrifugation, SDS-PAGE, spectrophotometry and histochemistry. *Prereq: L SC 201 or permission.*

L SC 204 ENVIRONMENTAL BIOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

This course gives the student an understanding of the complex issues associated with environmental assessment, mitigation and quality. The laboratory/field experience is centered on the determination of the quality/integrity of nearby aquatic and terrestrial habitats. Field trips providing hands on experience and laboratory sections designed to develop the skills needed to make these determinations are emphasized. *Prereq: ENST 101 or permission.*

L SC 206 HUMAN MICROBIOLOGY **5 hrs**

Lecture and laboratory

A study of the microbes in relationship to the human body, including indigenous flora and pathogens. Topics include structure, metabolism, genetics and control of microbes; introduction to the viruses; overview of the immune system; treatment and prevention of infectious diseases; resistance and emerging pathogens. Laboratory requires the identification of two unknowns in mixed culture. *Prereq: CHEM 110 or permission.*

L SC 208 SCIENTIFIC TERMINOLOGY **2 hrs**

A course designed to study the origins, meaning and usage of scientific terms and scientific thinking.

L SC 211 EMBRYOLOGY **3 hrs (alt. yrs.)**

Lecture and laboratory

This course is designed to give students knowledge of the development process of vertebrate embryos. The laboratory experience focuses on the microscopic study of embryo cross sections. Recommended for preprofessional medical and paramedical students.

L SC 212 ORNITHOLOGY **2 hrs**

The study and identification of common bird species of the area. Lectures, laboratories and weekend field trips are required.

L SC 213 WILDFLOWERS OF OHIO **2 hrs**

This course focuses on the identification of Ohio's wildflowers. It also covers botanical terminology, wildflower ecology and economic utility, and places and habitats in which to find these plants. The course stresses a relationship approach.

L SC 214 TREES OF OHIO **2 hrs**

A study of Ohio's trees, native and alien. The course covers identification, botanical processes, ecology, morphology, taxonomy, species location and economic utility. An ecological approach is utilized.

L SC 215 HISTOLOGY **3 hrs (alt. yrs.)**

Lecture and Laboratory

A course designed to study animal tissues as the structural components of organs and the site of life processes. Light microscopes are used.

_L SC_ 225 PROBLEM BASED LEARNING IN INTRODUCTORY LIFE SCIENCE **5 hrs**

Lecture and Field Experience

From your K-12 and life experiences, you are already familiar with many of the basic concepts of life science. This course will review and build on this knowledge and help you develop skill in the analysis of data and use this analysis and scientific criteria to draw valid conclusions. *Prereq: EDUC 160 or permission.*

_L SC_ 250 LIFE SCIENCE PRACTICUM **2 hrs**

The objective of this course is to examine current literature, use current equipment, and become familiar with current techniques in the life sciences. The course emphasizes the development of laboratory and/or field techniques using state of the art technology in the investigation of timely biological phenomena and/or principles. *May be repeated for credit.*

_L SC_ 298 SOPHOMORE DEPARTMENTAL SEMINAR **1 hr**

Students will hear about the research interests of the departmental faculty and visit the department's research laboratories. Faculty will demonstrate the types of equipment available in the department and students will develop an understanding of the scientific method. Guest speakers will discuss their research and students will critique presentation style.

_L SC_ 301 MOLECULAR GENETICS **5 hrs**

Lecture and laboratory

A study of the modern synthesis of classical genetics and biochemistry. Topics include the molecular structure of genes and genomes, gene regulation in prokaryotes and eucaryotes, DNA mutation, repair and recombination, molecular evolution and genetic engineering in medicine and other applied fields. Laboratory emphasizes advanced techniques of DNA analysis including gene cloning and sequencing. *Prereq: L SC 202 or permission.*

_L SC_ 302 FIELD BIOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

A study of the land forms, plant life, and animals of central Ohio. Lecture, laboratory, field experience and independent study will be used to identify and examine the interactions between these elements. *Prereq: L SC 202 or L SC 204 or E SC 205 or permission.*

_L SC_ 303 PLANT DIVERSITY AND MORPHOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

This course covers the evolution and diversity of plants and plant-like organisms. Emphasis will be placed on the phylogenetic relationships and evolutionary origins of plants. Lecture and laboratory include detailed exploration of the classification, life cycles, and ecology of algae, mosses, ferns, gymnosperms, and angiosperms. *Prereq: L SC 202 or L SC 204 or E SC 205 or permission.*

L SC 304 MICROBIOLOGY — 5 hrs (alt. yrs.)

Lecture and laboratory

Microbiology explores the vast world of organisms usually invisible to the unaided eye. Topics include the biochemistry, morphology, metabolism, and genetics of bacteria, viruses, prions and other microbial life forms. In addition an examination of the dynamic impact of microbes on humans, the immune response and the role of microbes in the environment are also studied. Laboratory experience stresses techniques and methodology of identification, culturing, inhibition and destruction of microbes. These culminate in an investigative experience requiring identification of unknown microbes. *Prereq: L SC 202 or L SC 204 or E SC 205 or permission. L SC 301 is recommended.*

L SC 305 IMMUNOLOGY — 5 hrs (alt. yrs.)

Lecture and laboratory

A study focusing on the cellular and molecular bases of the immune response which also examines immunology from developmental, systemic and clinical perspectives. An overview of classical experiments of immunology is combined with examination of current areas of immunological research (through readings from the primary literature). The laboratory emphasizes basic immunological techniques and creative application of scientific method. *Prereq: L SC 202 or permission. L SC 301 is recommended.*

L SC 306 HUMAN GENETICS — 5 hrs (alt. yrs.)

Lecture and laboratory

An exploration of the molecular, transmission and population genetics of our own species. Topics include the genetics of human origins and evolution, behavior and intelligence, health and disease, and the new genetic and reproductive technologies. Social and ethical issues are also addressed. Laboratory includes karotyping, an analysis of human DNA sequence variation and field trips to laboratories applying human genetics in forensics, genetic counseling and research. *Prereq: L SC 202 or permission. L SC 301 is recommended.*

L SC 307 INVERTEBRATE ZOOLOGY — 5 hrs (alt. yrs.)

Lecture and laboratory

A study of the major invertebrate phyla emphasizing taxonomy, identifying characteristics and ecology. The laboratory will be used to collect, identify, catalog and properly preserve representative specimens of the phyla examined. *Prereq: L SC 202 or L SC 204 or E SC 205 or permission.*

L SC 308 PLANT PHYSIOLOGY — 5 hrs (alt. yrs.)

Lecture and laboratory

This course addresses the vital biochemical and physiological processes of plants. Lecture and laboratory topics include plant metabolism/biochemistry, water relations and mineral nutrition, and plant growth and development. *Prereq: L SC 202 or permission. L SC 301 is recommended.*

L SC 309 VERTEBRATE MORPHOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

The purpose of this course is to examine vertebrate structure and to develop an understanding of the ways in which these structures function within a living animal. Structural elements will be examined in the laboratory while lecture is devoted to an understanding of the function and the ontogenetic and phylogenetic development of the structures examined. *Prereq: L SC 202 or permission.*

L SC 311 ANIMAL SYSTEMS PHYSIOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

An investigative study of physiological mechanisms in animal systems, with emphasis on the human. *Prereq: L SC 202 or permission.*

L SC 312 BASIC PATHOPHYSIOLOGY **5 hrs**

A one-quarter course comprising basic pathological processes and study of the clinical effects of pathology on the major body systems, with the aim of developing a working understanding of the structures and behavior of the human organism in health and disease. *Prereq: L SC 108, 109, 206, and CHEM 220 or permission.*

L SC 313 ECOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

A study of the interrelationships between organisms and their physical environments. Topics include the flow of energy and matter within an ecosystem, community structure and function, and the characteristics of freshwater, terrestrial and marine environment. Field techniques and instrumentation are stressed. *Prereq: L SC 202 or L SC 204 or E SC 205 or permission.*

L SC 314 DEVELOPMENTAL BIOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

Developmental biology has been transformed in the last ten years as scientists have discovered the molecular mechanisms that allow a single cell to give rise to a complex multicellular organism. This field of study includes the morphogenetic phenomena of growth, differentiation, regeneration, metamorphosis and aging. The laboratory experience will use microscopic, genetic and molecular techniques to explore these topics. *Prereq: L SC 202. For majors or permission. L SC 301 is recommended.*

L SC 315 ECOLOGICAL MANAGEMENT/LAND USE PLANNING

Lecture and laboratory **5 hrs (alt. yrs.)**

A study of the skills needed, the techniques utilized, and the problems encountered as you develop a comprehensive land/resource management plan for a large natural area. Students will develop a complete master plan for a central Ohio park reservation including budget and staffing, public use facilities, wildlife management and interpretive programming. *Prereq: L SC 202 or L SC 204 or E SC 205 or permission.*

L SC 316 PLANT BIOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

A broad-based plant science course detailing main themes in plant biology and research. Major topics to be covered include: angiosperm plant body, energy relations in plants, plant evolution and diversity, plant physiology, plant ecology, economic plant science and plant biotechnology. Laboratory activities emphasize anatomy, physiology and genetics of flowering plants. *Prereq: L SC 202 or L SC 204 or E SC 205 or permission.*

L SC 317 PLANT PATHOLOGY **5 hrs (alt. yrs.)**

Lecture and Laboratory

An introductory course in plant pathology dealing with the nature, cause and control of plant disease. Emphasis will be given to diversity and life histories of plant pathogens, physiology and genetics of host resistance, and the control of plant disease through traditional methods and the use of biotechnology and molecular techniques. Laboratories will deal with techniques used in plant pathology, including fungal and bacterial isolation, identification and inoculation. *Prereq: L SC 202 or permission. L SC 301 is recommended.*

L SC 318 MICROBIAL PHYSIOLOGY **5 hrs (alt. yrs.)**

Lecture and Laboratory

The diversity of microorganisms is due to adaptations required for growth in different habitats including extremes in pH, temperature, and oxygen availability. This course is designed to explore how these organisms have adapted to thrive in these environments. Topics include bioenergetics, metabolic regulation, cell-cell signaling and response to environmental stresses. The laboratory experience will explore questions such as solute transport mechanisms and metabolic diversity for a variety of microbial organisms. *Prereq: L SC 202 or permission.*

L SC 319 CORAL REEF ECOLOGY **5 hrs (alt. yrs.)**

Lecture and Field Experience

A study of the physical and biological processes that shape coral reefs. Topics will include reef geology, diversity of marine organisms, and human impacts. The course will include a field trip to a coral reef environment and the completion of a research project. *Prereq: LSC 202 or L SC 204 or E SC 205 or permission.*

L SC 390 INDEPENDENT STUDY **1-5 hrs**

This course provides students with an opportunity to engage in independent research on a life science topic of their choice under the direction of a life science faculty member. *Prereq: Permission of Instructor.*

L SC 398 JUNIOR DEPARTMENTAL SEMINAR **1 hr**

Students will identify an advisor for their research project and develop a research proposal. Guest speakers will discuss their research and students will critique the style and content of the talks.

L SC 490 INTERNSHIP **1-15 hrs**

Cooperative internships in health and environmental science. The student is advised to apply to The Department of Life and Earth Sciences for prerequisites and guidelines at the initiation of the program and in no case should application be made later than one term prior to registration for an internship. *Prereq: Permission*

L SC 498 SENIOR DEPARTMENTAL SEMINAR **1hr**

Students will examine ethical issues in the biological and geological sciences, present a seminar on their research project, and assess their preparation as scientists through an exit interview. Guest speakers will discuss their research and students will critique the science being presented.

Earth Science Courses (E SC)

E SC 101 OCEANOGRAPHY **5 hrs**

Designed to provide an appreciation and understanding of the physical, geological, chemical and biological aspects of the world's ocean. The interdisciplinary nature of the marine environment, its response to external stimuli and its potential resources will be emphasized.

E SC 201 PHYSICAL GEOLOGY **5 hrs**

Lecture and laboratory

Minerals and rocks and the processes that produce them; the earth's landscapes and the agents that make and modify them; the earth's internal architecture and economic utilization of earth's minerals.

E SC 202 HISTORICAL GEOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

The history of development of the earth and its features from its origin to the present, and the accompanying evolutionary change in life and in man as revealed by the fossil record. *Prereq: E SC 201 or permission.*

E SC 205 ENVIRONMENTAL GEOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

An introduction to the interaction between humanity and the physical environment. Covers a broad range of topics including hazardous earth processes such as earthquakes, volcanoes and flooding; and energy, mineral and land use.

E SC 250 EARTH SCIENCE PRACTICUM **2 hrs**

The objective of the earth science practicum is to examine current topics and techniques in the earth sciences. The course emphasizes the development of field and laboratory methods in the investigation of timely geological phenomena and/or principles. *May be repeated for credit.*

E SC 301 FIELD GEOLOGY **5 hrs (alt. yrs.)**

Lecture and laboratory

An introduction to the basic principles of rock formation, the classification and physical origin of rock structure and crustal tectonic processes. Field work and labs are dedicated to developing skills in field and map recognition of geologic structures. *Prereq: E SC 201 or permission.*

E SC 302 GEOLOGY OF THE UNITED STATES **5 hrs (alt. yrs.)**

Lecture and field experience

Description and interpretation of the natural regions of our country in terms of geological origins, processes and resources. Presented with respect to the geologic history of the National Parks. *Prereq: E SC 201 or permission.*

E SC 390 INDEPENDENT STUDY **1-5 hrs**

Students may pursue a minor research project with more advanced work in departmental offerings. At least two terms should be allowed for completion. *Prereq: Permission.*

E SC 490 INTERNSHIP **1-15 hrs**

Cooperative internships in the earth sciences. The student is advised to apply to the Department of Life and Earth Sciences for prerequisites and guidelines at the initiation of the program and in no case should application be made later than one term prior to registration for an internship. *Prereq: Permission*

MATHEMATICAL SCIENCES

Thompson (chairperson), Boros, Buck, Contenza, Harper, Hinton, Holl, Hrinca, Huang, James, Sanderson, Smith, Stucki, Tong.

Mission and Programs

The mission of the Department of Mathematical Sciences is to foster an environment of intellectual growth as a catalyst to develop certain habits of mind for students and faculty, including attention to rigorous thinking, analytic and synthesizing skills, problem solving processes and techniques, and creativity for adaptation to evolving disciplines. To this end, we strive to motivate and stimulate interest in the mathematical sciences for majors and non-majors, assist all students to understand the value in and the applications of the mathematical sciences, provide an adequate blend of theory and methodology, prepare students to deal with change by helping them to learn how to learn, and support continued professional growth of faculty.

The department offers a major in actuarial science, and majors and minors in mathematics and computer science. In addition, it provides courses that serve as core requirements for the B.A., B.S., B.M.E., B.S.N., and B.S.E. and remedial course work designed for those students who do not qualify for the college-level requirements.

B.A. degree with a major in Mathematics

Requirements in the Core Curriculum:

- ❑ Integrative Studies – 50 hrs (specifics on p. 13)
- ❑ Foreign Language – 10 hrs (specifics on p. 15)
- ❑ Mathematics – fulfilled by completing the math required in the major
- ❑ Health and Physical Education Lifestyle Series – 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience – hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 50 total hrs)

A. Foundation courses (35 hours)

- ❑ MATH 170 – 5 hrs
- ❑ MATH 180 – 5 hrs
- ❑ MATH 190 – 5 hrs
- ❑ MATH 200 – 5 hrs
- ❑ MATH 220 – 5 hrs
- ❑ MATH 230 – 5 hrs
- ❑ MATH 290 – 3 hrs
- ❑ MATH 300 – 1 hr (at least twice)

B. Classical mathematics component (3 or 5 hours)

- ❑ At least **one** of the following: MATH 330, 360, 365, 380

C. Capstone (5 hours)

- ❑ One of MATH 435 (5 hrs) or MATH 480 (4 hrs) & 481 (1 hr)

D. Assessment (0 hours)

- ❑ MATH 498

❑ Remaining hours to reach 50 total hours from among MATH 231 and any other MATH courses numbered above 300 **except** MATH 390, 420, and 490 (unless permission is granted by the department). *Courses should be selected in consultation with a mathematics advisor.*

- Suggested electives include computer science courses, ENGL 335 and COMM 280.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.S. degree with a major in Mathematics

Requirements in the Core Curriculum:

❑ Integrative Studies – 50 hrs (specifics on p. 13)
❑ Foreign Language – 15 hrs (specifics on p. 15)
❑ Mathematics – fulfilled by completing the math required in the major
❑ Health and Physical Education Lifestyle Series – 3 hrs (specifics on p. 16)
❑ Senior Year Experience – hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 65 total hrs)

A. Foundation courses (35 hours)

❑ MATH 170 – 5 hrs
❑ MATH 180 – 5 hrs
❑ MATH 190 – 5 hrs
❑ MATH 200 – 5 hrs
❑ MATH 220 – 5 hrs
❑ MATH 230 – 5 hrs
❑ MATH 290 – 3 hrs
❑ MATH 300 – 1 hr (at least twice)

B. Classical component (11 or 13 hours)

❑ At least **three** of the following: MATH 330, 360, 365, 380

C. Capstone (5 hours)

❑ One of MATH 435 (5 hrs) or MATH 480 (4 hrs) & 481 (1 hr)

D. Assessment (0 hours)

❑ MATH 498

❑ Remaining hours to reach 65 total hours from among MATH 231 and any other MATH courses numbered above 300 **except** MATH 390, 420, and 490 (unless permission is granted by the department). *Courses should be selected in consultation with a mathematics advisor, from one of the tracks below.*

- Suggested electives include computer science courses, ENGL 335 and COMM 280.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

SUGGESTED TRACKS IN MATHEMATICS

Note: All tracks begin with and must satisfy either the B.A. or B.S. requirements above. The tracks identify the most appropriae courses from which to select for a particular career goal. Courses marked with an asterisk (*) do not count toward the 50 or 65 hours required for the major.

General Mathematics Track (preparation for graduate school): *MATH* 310, 311, 320, 330, 350, 360, 365, 380.

Applied Mathematics Track (preparation for employment in industry or business): *MATH* 231, 260*, 310, 311, 350, 370; *MASC* 300*

Integrated Mathematics Education Track (preparation for high school teaching): Requirements for students seeking secondary teacher licensure in mathematics appear in the *Teacher Education Programs* booklet available from the Department of Education. Requirements for the major and for teacher licensure may differ, but both must be met for licensure and the major must be comleted to receive a Bachelor's degree.

Minor in Mathematics

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required (at least 25 total hrs):

- ❑ All hours from among MATH 170, 180, 190, 200, 220, 231, 260, 290 and any 300/400 level courses.

B.S. degree with a major in Actuarial Science

Requirements in the Core Curriculum:

- ❑ Integrative Studies – 50 hrs (specifics on p. 13)
- ❑ Foreign Language – 15 hrs (specifics on p. 15)
- ❑ Mathematics – fulfilled by completing the math required in the major
- ❑ Health and Physical Education Lifestyle Series – 3 hrs (specifics on p.16)
- ❑ Senior Year Experience – hrs depend upon course selected (specifics on p.16)

Requirements in the major (88 hours)

- ❑ MATH 170 – 5 hrs
- ❑ MATH 180 – 5 hrs
- ❑ MATH 190 – 5 hrs
- ❑ MATH 200 – 5 hrs
- ❑ MATH 220 – 5 hrs
- ❑ MATH 230 – 5 hrs
- ❑ MATH 310 – 5 hrs
- ❑ MATH 311 – 5 hrs
- ❑ C SC 100 – 3 hrs
- ❑ ECON 210 – 5 hrs
- ❑ ECON 220 – 5 hrs
- ❑ ACCT 200 – 5 hrs
- ❑ MASC 300 – 5 hrs
- ❑ MASC 400 – 5 hrs
- ❑ MASC 401 – 5 hrs
- ❑ MASC 402 – 5 hrs
- ❑ MASC 498 – 0 hrs

- ❑ 10 hours from the following: any other MASC offerings, MATH 231/370, ECON 310/320/450, BADM 340/420
- An internship **(MASC 490)** during the summer after the junior year or during the senior year is strongly encouraged.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Computer Science

Requirements in the Core Curriculum:

- ❑ Integrative Studies – 50 hrs (specifics on p. 13)
- ❑ Foreign Language – 10 hrs (specifics on p. 15)
- ❑ Mathematics – fulfilled by completing the math required in the major
- ❑ Health and Physical Education Lifestyle Series – 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience – hrs depend upon course selected (specifics on p. 16)

Requirements in the major (80-85 hrs or equivalent)

- ❑ C SC 100 – 3 hrs
- ❑ C SC 120 – 2 hrs
- ❑ C SC 150 – 5 hrs
- ❑ C SC 160 – 4 hrs
- ❑ C SC 205 – 4 hrs
- ❑ C SC 225 – 4 hrs
- ❑ C SC 315 – 4 hrs
- ❑ C SC 325 – 4 hrs
- ❑ C SC 360 – 5 hrs
- ❑ C SC 400 – 2 hrs
- ❑ C SC 401 – 2 hrs
- ❑ C SC 498 – 0 hrs
- ❑ MATH 155* – 3 hrs
- ❑ MATH 165 – 3 hrs
- ❑ COMM 280 – 5 hrs
- ❑ ENGL 335 – 5 hrs
- ❑ A minor in *Mathematics***, Accounting, Economics, or Business Administration, or a minor in another field by approval of the department chair.

** *A minor in Mathematics for this program must consist of MATH 170, 180, 220, 230, and <u>two</u> of the following: MATH 190, 231, 260, 370. (Only one of 260 and 370 may be included.)*

* MATH 115 or 120 is a prerequisite to MATH 155.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.S. degree with a major in Computer Science

Requirements in the Core Curriculum:

- ❑ Integrative Studies – 50 hrs (specifics on p. 13)
- ❑ Foreign Language – 15 hrs (specifics on p. 15)
- ❑ Mathematics – fulfilled by completing the math required in the major
- ❑ Health and Physical Education Lifestyle Series – 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience – hrs depend upon course selected (specifics on p. 16)

Requirements in the major (83-85 hrs or equivalent)

- ❑ C SC 100 – 3 hrs
- ❑ C SC 120 – 2 hrs
- ❑ C SC 150 – 5 hrs
- ❑ C SC 160 – 4 hrs
- ❑ C SC 205 – 4 hrs
- ❑ C SC 225 – 4 hrs
- ❑ C SC 400 – 2 hrs
- ❑ C SC 401 – 2 hrs
- ❑ C SC 415 – 4 hrs
- ❑ C SC 498 – 0 hrs
- ❑ MATH 155* – 3 hrs
- ❑ MATH 165 – 3 hrs

- ❑ C SC 315 – 4 hrs
- ❑ C SC 325 – 4 hrs
- ❑ C SC 330 – 4 hrs
- ❑ C SC 340 – 4 hrs
- ❑ C SC 381 – 3 hrs
- ❑ MATH 170* – 5 hrs
- ❑ MATH 180 – 5 hrs
- ❑ MATH 220 – 5 hrs
- ❑ COMM 280 – 5 hrs
- ❑ ENGL 335 – 5 hrs
- ❑ one course from MATH 370 (5 hrs) or C SC 481 (3 hrs).

*MATH 115 or 120 is a prerequisite to MATH 155. MATH 115/116 or 120 is a prerequisite to MATH 170.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Computer Science

Required (at least 33 total hrs):

- ❑ C SC 100 – 3 hrs
- ❑ C SC 120 – 2 hrs
- ❑ C SC 150 – 5 hrs
- ❑ C SC 160 – 4 hrs
- ❑ C SC 205 – 4 hrs
- ❑ MATH 155 – 3 hrs
- ❑ 12 additional hours from among any other CSC courses numbered above 205.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Program Outcome

The department provides programs which may prepare students for graduate school in mathematics, actuarial science, computer science, or related disciplines; programs which may prepare students for employment as actuaries, statisticians, analysts, management scientists, and other mathematically related occupations; and programs which may prepare students for the teaching of high school mathematics. The Department provides to all Otterbein students opportunities for improving problem-solving skills through college level exposure in mathematics. It provides coursework which supports students from many other disciplines and provides remedial coursework which may prepare a student for college level work.

Mathematics Courses (MATH)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491. Please visit *http://math.otterbein.edu/dept/math/degrees/schedule/index.php* for mathematics major course rotation schedule.

Note: A graphing calculator is required for many Mathematics courses. Check with the department for a recommendation if you are planning to purchase one.

A student who has a C- or better or transfer credit for a mathematics or computer science course may not subsequently take any of its explicit or implied prerequisite courses for credit without permission of the department chairperson. Permission will be given only for sound curricular reasons.

***ASC* 080 BASIC CONCEPTS IN MATHEMATICS**
This course is housed in the Academic Support Center. For a description, see p. 43.

***MATH* 090 PREREQUISITE TO COLLEGE MATHEMATICS** **5 hrs**
Intermediate algebra topics: sets, linear equations and inequalities in one and two variables, solving systems of linear equations, quadratic equations in one and two variables, graphing first and second degree equations, rational exponents, rational expressions, geometric figures, distance in the plane, circles, formulas, applications, connections among topics, and writing in mathematics. Note: a graphing calculator is required in this course. *Prereq: A C- or better in ASC 080 or qualification through the department's placement examination. Students required to take this course must complete it with a C- or better within six quarters of enrollment or face suspension/dismissal. MATH 090 does not count towards graduation in any degree program. Thus, students who have taken this course must complete at least 185 hours to graduate.*

***MATH* 115 COLLEGE ALGEBRA** **5 hrs**
A study of polynomial, radical, exponential, and logarithmic functions and their graphs; solving equations and inequalities; and basic analytic geometry. *Prereq: A C- or better in MATH 090, or qualification through the department's placement exam.*

***MATH* 116 TRIGONOMETRY AND COLLEGE ALGEBRA II** **5 hrs**
A study of rational functions and their graphs, trigonometric functions, identities, inverse trigonometric functions, trigonometric equations, solving triangles, complex numbers, and polar coordinate systems. *Prereq: A C- or better in MATH 115, or qualification through the department's placement exam.*

***MATH* 120 ELEMENTARY FUNCTIONS** **5 hrs**
An accelerated combination of *MATH* 115 and *MATH* 116. This course is designed for more advanced students as preparation for calculus. *Prereq: Qualification through the department's placement exam.*

***MATH* 150 THE NATURE OF MATHEMATICS** **5 hrs**
A survey of many topics, viewed in a liberal arts context, providing a broad, diverse, yet more holistic and humanistic perspective toward mathematics. Topics may include problem solving, number theory, set theory, logic/reasoning, group theory, graph theory, probability, statistics, calculus, geometry, math and art or music, and history of mathematics. *Prereq: A C- or better in MATH 090 or qualification through the department's placement exam.*

***MATH* 155 DISCRETE MATHEMATICS I** **3 hrs**
Elementary logic and propositional calculus with quantifiers, proof techniques (including induction and contradiction, contraposition and counterexample), intuitive

set theory, functions and relations. *Prereq: MATH 115 or MATH 120 or qualification through the department's placement exam.*

***MATH* 165 DISCRETE MATHEMATICS II** **3 hrs**
Graph theory including planarity, isomorphism, covering circuits, coloring, trees and searching, network algorithms; combinatorics including counting, permutations, combinations, binomial coefficients, recurrence relations, the pigeonhole principle, and the inclusion-exclusion principle. *Prereq: MATH 155*

***MATH* 170 CALCULUS I** **5 hrs**
Differential calculus of elementary functions. Topics covered include limits, continuity, derivatives, differentiation rules, Lagrange mean value theorem, L'Hospital's rule, and applications of differential calculus. *Prereq: A C- or better in both MATH 115 and MATH 116 or in MATH 120, or qualification through the department's placement exam.*

***MATH* 180 CALCULUS II** **5 hrs**
A continuation of Calculus I. Integral calculus of elementary functions. Topics covered include definite integrals, indefinite integrals, fundamental theorem of calculus, techniques of integration, and applications of integration. *Prereq: A C- or better in MATH 170.*

***MATH* 190 CALCULUS III** **5 hrs**
A continuation of Calculus II with emphasis on series theory. Topics covered include first order linear differential equations, conic curves, parametric equations and polar equations of curves, sequences and series, power series, Taylor series, and binomial series. *Prereq: A C- or better in MATH 180.*

***MATH* 200 MULTIVARIABLE CALCULUS** **5 hrs**
Calculus of multi-variable functions. Topics covered include three dimensional analytic geometry, vectors, limits, continuity, partial derivatives, multiple integrals, and elements of vector calculus. *Prereq: A C- or better in MATH 180. MATH 190 strongly recommended.*

***MATH* 220 LINEAR ALGEBRA** **5 hrs**
Systems of linear equations, vector spaces, matrices, determinants, eigenvalues, eigenvectors, linear transformations, and applications. *Prereq: A C- or better in MATH 180.*

***MATH* 230 STATISTICS I** **5 hrs**
A study of descriptive statistics, the principles of probability, statistical distributions, sampling, the Central Limit Theorem, statistical inference, hypothesis testing, correlation, and regression analysis. *Prereq: MATH 115 or 120.*

***MATH* 231 STATISTICS II** **5 hrs**
A continuation of *MATH* 230. Emphasis on data analysis with simple and multiple linear regression, correlation, and analysis of variance. Statistical computer packages are used for data analysis. *Prereq: A C- or better in MATH 230.*

***MATH* 260 DECISION MAKING FOR BUSINESS** **5 hrs**
A study of operations research techniques for use in decision making. Includes linear programming, queuing theory, time series and other applications. *Prereq: MATH 230.*

***MATH* 270 MATHEMATICS FOR EARLY AND MIDDLE CHILDHOOD EDUCATION** **5 hrs**
A study of the mathematical notions central to a comprehensive, connected study of early into middle childhood mathematics education, grounded in state and national standards. The focus is on mathematical content: development of the real number system, probability and statistics, geometry, measurement, patterning and algebra, and estimation and mental computation. Methodology and materials appropriate for the mathematical development of children will also be discussed. For education majors and licensure candidates only. *Prereq: MATH 150.*

***MATH* 271 MATHEMATICS FOR THE MIDDLE GRADES** **3 hrs**
A continuation of *MATH* 270, focusing on the mathematical content and methodology in the middle grades. Particular emphasis will be placed on connections among and integration of the various mathematical strands (number and operations, geometry, measurement, probability and statistics), especially involving algebra. For education majors and licensure candidates only. *Prereq: MATH 270.*

***MATH* 280 AXIOMATICS BY INQUIRY** **3 hrs**
Focusing on the systemic structure of geometry, students investigate problems and properties from a scientific perspective. With the aid of technology and other tools, students will use the inquiry cycle (exploration, conjecture, data collection, analysis, reflection, and proof) to compare and contrast the basic principles that give rise to different geometries. *Prereq: A C- or better in MATH 150.*

***MATH* 290 TRANSITION TO ADVANCED MATHEMATICS** **3 hrs**
Logic, axiomatic method, mathematical proofs, and formal set theory. *Prereq: A C- or better in either MATH 190 or MATH 220.*

***MATH* 300 MATHEMATICAL PROBLEM SOLVING SEMINAR** **1 hr**
Through solving well-arranged, interesting and challenging problems in different areas of mathematics, students will enhance their mathematical maturity, will increase their repertoire of mathematical methodologies, will expand their ability, and will deepen their appreciation of the power, beauty and integrity of mathematics. Each time the course is offered it will focus on two or three specific techniques or topics. **Graded pass/fail. The course may be repeated, however no more than 3 hours of this course may count toward a mathematics major and no more than 2 hours toward a mathematics minor.** *Prereq: A grade of B or better in MATH 180, or permission of the instructor.*

***MATH* 310 PROBABILITY THEORY** **5 hrs**
Calculus-based probability, samples, discrete and continuous distributions, and multivariate distributions. *Prereq: MATH 200, 220 and 230.*

***MATH* 311 MATHEMATICAL STATISTICS** **5 hrs (alt. yrs.)**
A continuation of *MATH* 310. Sampling distributions, approximations, estimation, hypothesis testing. *Prereq: MATH 310.*

***MATH* 320 THEORY OF VECTOR SPACES** **3 hrs (alt. yrs.)**
Finite and infinite dimensional vector spaces, linear operators with applications. *Prereq: MATH 220 and 290.*

***MATH* 330 COMPLEX VARIABLES** **5 hrs (alt. yrs.)**
Complex numbers, analytic functions, integrals, series, residues and conformal mapping. *Prereq: MATH 190, 200 and 220.*

***MATH* 340 ADVANCED GEOMETRY** **5 hrs (alt. yrs.)**
A general study of the structure of Euclidean and non-Euclidean geometries and their relationship to each other. *Prereq: MATH 290.*

***MATH* 350 ORDINARY DIFFERENTIAL EQUATIONS** **5 hrs (alt. yrs.)**
Fundamental theory, first order differential equations, linear equations, series solutions, Laplace transforms, boundary value problems, nonlinear equations and stability. *Prereq: MATH 190, 200 and 220.*

***MATH* 360 REAL ANALYSIS** **3 hrs (alt. yrs.)**
Structure and topology of real numbers, sequences, continuity, differentiation, Riemann integration, infinite series, power series, Riemann-Stieltjes integral. *Prereq: MATH 190 and 290.*

***MATH* 365 TOPOLOGY** **3 hrs (alt. yrs.)**
Metric spaces, limits and continuity in metric spaces, general topological spaces, connectedness, completeness, compactness. *Prereq: MATH 190 and 290.*

***MATH* 370 OPERATIONS RESEARCH** **5 hrs (alt. yrs.)**
Topics from deterministic and stochastic operations research: linear programming and other optimization methods including the simplex algorithm, duality, and sensitivity analysis; decision theory, queuing theory, Markov chains, and simulation. *Prereq: MATH 220 and MATH 230.*

***MATH* 380 ABSTRACT ALGEBRA** **5 hrs (alt. yrs.)**
Theory of groups, homomorphisms, rings, integral domains, fields, and factorization. *Prereq: MATH 290.*

***MATH* 390 INDEPENDENT STUDY** **1-5 hrs**
Independent study. Opportunity for work in topics of special interest.

***MATH* 420 ADVANCED STUDIES** **1-5 hrs**
Topics not covered in the regular departmental offerings. *May be repeated for credit. Taken by permission of the instructor.*

MATH 435 HISTORY AND PHILISOPHY OF MATHEMATICS **5 hrs**
A survey of the history and philosophy of mathematics with holistic attention to its chronological evolution, conceptual development, and foundational structure. Mathematical landmarks from antiquity to present times will be examined and placed in historical context. Emphasis will be on the interrelationships between mathematics, culture, theology, philosophy, and science. *Prereq: Senior standing mathematics major, or permission of instructors.*

***MATH* 480 SENIOR RESEARCH** **1-4 hrs**
Exploration of a topic in mathematics with faculty supervision over the course of the senior year. The research culminates in an expository paper and presentation of results (see *MATH* 481). All participating students and their advisors will meet at least once each quarter: in Autumn to share the focus, goals, and/or approach for each project; in Winter to discuss progress and common interests or concerns; and in Spring for presentation (see *MATH* 481). Students must register for a total of 4 credits of research over the span of the senior year. *Prereq: Senior standing. May be repeated for a maximum of 4 credits.*

***MATH* 481 SENIOR EXPOSITION** **1 hr**
Culmination of the research done in *MATH* 480. Submission of expository paper and presentation of results. *Prereq: MATH 480.*

***MATH* 490 INTERNSHIP** **1-15 hrs**

***MATH* 498 MATHEMATICS ASSESSMENT** **0 hrs**
Students will complete the Mathematics Major Field Test (2 hour exam) prepared by the Educational Testing Service during their senior year. Each student will meet with her/his academic advisor to discuss results in relation to career goals. *Prereq: Senior standing.*

Actuarial Science Courses (MASC)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***MASC* 300 FINANCIAL MATHEMATICS I** **5 hrs**
This course develops a practical knowledge of the theory of interest in both finite and continuous time. The knowledge includes how these concepts are used in the various annuity functions, and applies the concepts of present and accumulated value for various streams of cash flows as a basis for future use in reserving, valuation, pricing, duration, asset/liability management, investment income, capital budgeting and contingencies. *Prereq: MATH 180*

MASC* 301 FINANCIAL MATHEMATICS II** **5 hrs
The purpose of this course is to explore the properties of derivative security that are commonly encountered in practice and to provide a theoretical framework within which all derivatives can be valued and hedged. *Prereq: MASC 300 and MATH 310.*

***MASC* 400 ACTUARIAL MODELS I** **5 hrs (alt. yrs.)**
This course begins the development of the student's knowledge of the theoretical basis of actuarial models and the application of these models to insurance and other financial risks. Students will develop a basic understanding of the quantification of the financial impact of contingent payments, including survival distributions and life tables, life insurance, life annuities, and benefit premiums. *Prereq: MASC 300 and MATH 310.*

***MASC* 401 ACTUARIAL MODELS II** **5 hrs (alt. yrs.)**
This course continues the development of the student's knowledge of the theoretical basis of actuarial models and the application of these models to insurance and other financial risks. Further aspects regarding the quantification of the financial impact of contingent payments will be examined including benefit reserves, multiple life functions and multiple decrement models. *Prereq: MASC 400 and MATH 311.*

***MASC* 402 ACTUARIAL MODELS III** **5 hrs (alt. yrs.)**
An introduction to frequency and severity models. This course further continues the development of the student's knowledge of the theoretical basis of actuarial models and the application of these models to insurance and other financial risks. Students will develop a basic understanding of counting distributions (frequency distribution), loss distributions, compound distributions, and ruin theory. *Prereq: MASC 401.*

MASC* 410 SURVIVAL ANALYSIS** **5 hrs
The purpose of this course is to introduce the nature and properties of survival models, including both parametric and tabular models; methods of estimating tabular models from both complete and incomplete data samples, including the actuarial, moment, and maximum likelihood estimation techniques; methods of estimating parametric models from both complete and incomplete data samples, including parametric models with concomitant variables; and applications and extensions of survival models. *Prereq: MASC 402.*

MASC* 411 CREDIBILITY AND LOSS DISTRIBUTIONS** **5 hrs
Application of statistical theory to development and estimation of loss distributions; fitting distributions to truncated and grouped data; analysis of simulated data; classical, Bayesian, and Buhlmann credibility models for experience rating. *Prereq: MATH 311.*

***MASC* 430 PROBLEM SOLVING IN ACTUARIAL SCIENCE** **3 hrs**
Through solving problems from previous years' Actuarial Exams, students will be well-prepared for taking Examinations I (Mathematical Foundations of Actuarial Science) and II (Interest Theory, Economics, and Finance) administrated by the Society of Actuaries of North America. This course may be repeated, however no more than six hours of this course may count toward an actuarial science major. *Prereq: A B or better in MATH 200 and MATH 220, or permission of instructor.*

***MASC* 490 INTERNSHIP** **5-15 hrs**

MASC 498 ACTUARIAL SCIENCE ASSESSMENT **0 hrs**
Students will complete an Actuarial Examination administrated by the Society of Actuaries during their senior year. Each student will meet with her/his academic advisor to discuss results in relation to career goals. *Prereq: Senior standing.*

* *Indicates course offered as enrollment warrants.*

Computer Science Courses (C SC)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491. Please visit *http://math.otterbein.edu/dept/math/cs/degrees/rotation/index.php* for computer science long-term course rotation.

A student who has a C- or better or transfer credit for a mathematics or computer science course may not subsequently take any of its explicit or implied prerequisite courses for credit without permission of the department chairperson. Permission will be given only for sound curricular reasons.

C SC 100 COMPUTING CONCEPTS AND APPLICATIONS **3 hrs**
Lecture and Laboratory
An introduction to computers and computer software in a liberal arts context, including historical roots, ethical issues, and future directions. Hands-on laboratory experience and web-based training in software applications, including word processing, graphics, spreadsheets, and web authoring. Includes introduction to algorithm development and programming. *Prereq or Coreq: MATH 090 or qualification through the department's mathematics placement exam.*

C SC 120 INTRODUCTION TO COMPUTER PROGRAMMING **2 hrs**
Lecture and Laboratory
The student will create implementations based on stated requirements. The imperative language constructs of variables, arrays, assignment, sequence, selection and iteration will be used. The student is introduced to system design by working within larger systems in which they implement components. *Prereq or coreq: C SC 100 and MATH 115 (or MATH 120).*

C SC 121 PROGRAMMING LANGUAGE INSTRUCTION **2 hrs**
Lecture and Laboratory
Instruction in a specific computer programming language. Offered on demand. (Decimal numbers used to distinguish specific language: C SC 121.01 for Pascal; C SC 121.02 for COBOL; C SC 121.03 for C; C SC 121.04 for C++; C SC 121.05 for FORTRAN, C SC 121.06 for LISP, and others as needed.) *Prereq: C SC 120 or permission of instructor.*

C SC 150 THE SCOPE OF COMPUTER SCIENCE **5 hrs**
Lecture and Laboratory
A breadth-first overview of computer science, i.e., the study of algorithms, including

their formal and mathematical properties, hardware realizations, linguistic realizations, and applications. The concept of levels of abstraction is presented through discussions of data representation (machine level representation through data types) and data manipulation (digital logic, assembly level machine organization, programming languages, formal grammars, and automata). *Prereq: C SC 100, C SC 120, and a C- or better in MATH 115 (or MATH 120) or qualification through the department's placement exam. Prereq or coreq: MATH 155.*

C SC 160 SOFTWARE DEVELOPMENT, USING COMPONENTS **4 hrs**

Lecture and Laboratory

The problem-solving principles of top-down design, iterative refinement, and procedural abstraction are introduced. Component-based software from client programmer's perspective (e.g., usage of abstract data types); intellectual foundations of software engineering; mathematical modeling; specification of object-oriented components; layering; testing and debugging layered operations. *Prereq: C SC 150. Prereq or coreq: MATH 165 (recommended).*

C SC 205 IMPLEMENTATION OF SOFTWARE COMPONENTS **4 hrs**

Lecture and Laboratory

Component-based software from implementer's perspective; container components, including lists, stacks, queues, trees, and graphs; data representation using layering and using pointers; introduction to algorithm analysis. *Prereq: C SC 160, MATH 165 (recommended).*

C SC 225 SOFTWARE ENGINEERING: DESIGN OF COMPONENT-BASED SOFTWARE **4 hrs**

Lecture and Laboratory

Bridging from analysis to implementation, this course studies how to decompose a proposed system so that it can be implemented in a reliable and cost effective manner. Object-oriented design of component-based software is emphasized, and we will utilize CASE tools to document the design. The relationship between component design and component implementation will also be explored. *Prereq: C SC 205, MATH 165 (recommended).*

C SC 315 PROGRAMMING LANGUAGES AND PARADIGMS **4 hrs**

Lecture and Laboratory

A study of the principles of programming languages. Programming paradigms are introduced and compared (imperative, declarative, object-oriented, functional, database languages). The topics of virtual machines, sequence control, data control, and type checking are introduced and compared across programming paradigms. Several programming languages are studied in the context of the different paradigms. *Prereq: C SC 205, MATH 165.*

C SC 325 SOFTWARE ENGINEERING: ANALYSIS **4 hrs**

Lecture and Laboratory

Object-oriented analysis and its place in the development life cycle. Analysis comprises: building the requirements model, the object model (including entity relationships),

the State Transition Diagram model, and the functional model (Data Flow Diagram). *Prereq: C SC 225, MATH 165 (recommended).*

C SC 330 COMPUTER ARCHITECTURE **4 hrs**
Lecture and Laboratory
The study of computer architectures. Computer design at all levels of abstraction is presented to an intermediate depth. Assembly language and interrupt handling are introduced. Alternative computer architectures are compared. *Prereq: C SC 205.*

C SC 340 OPERATING SYSTEMS **4 hrs**
Lecture and Laboratory
Introduction to the principles, design, and functions of computer operating systems. Emphasis on process management and processor, memory and file management. *Prereq: C SC 205.*

C SC 360 DATABASE MANAGEMENT AND DATA WAREHOUSING
Lecture and Laboratory **5 hrs**
Design and implementation of operational database systems using relational database technology, including entity-relationship modeling and normalization. Introduction to data warehouse development, facilitating the analysis of historical and summary data derived from operational databases. *Prereq: C SC 205, or both BADM 360 and Information Management major program prerequisites.*

C SC 381 THEORY OF COMPUTATION **3 hrs**
Models of computation based on machine models and formal grammars: finite automata; regular languages, pushdown automata, context free languages, Turing machines, recursive languages, and recursively enumerable languages; the Chomsky hierarchy of languages; the Church-Turing thesis; introduction to the halting problem and computability issues. *Prereq: C SC 205 and MATH 165.*

C SC 390 INDEPENDENT STUDY **1-5 hrs**
Independent study in computer science. Counts toward the 3 hours of advanced C SC courses required for the BS major. *Prereq: vary with topic; permission of instructor.*

C SC 400 PROGRAMMING PRACTICUM I **2 hrs**
Lecture and Laboratory
Problem solving using computers. Reinforcement of the computer science curriculum's topics through hands on experience. Focuses on group problem-solving skills. *Prereq: C SC 325, COMM 280, and ENGL 335.*

C SC 401 PROGRAMMING PRACTICUM II **2 hrs**
Lecture and Laboratory
A continuation of C SC 400. *Prereq: C SC 400.*

C SC 415 COMPLEXITY OF ALGORITHMS **4 hrs**
Lecture and Laboratory
Analysis of algorithm complexity; time and space analysis of algorithms, asymptotic

(big-Oh) notation, and time-space tradeoffs in comparative analysis. Problem-solving strategies introduced by selected example, including greedy, divide-and-conquer, dynamic programming, and backtracking strategies. The concept of computational complexity is discussed by way of the theory of NP-completeness. *Prereq: C SC 205, MATH 165, and MATH 170.*

C SC 481 ADVANCED TOPICS **3 hrs**

Topics rotate. *May be repeated for credit.* One or two of the following offered annually.

C SC 481.10 ARTIFICIAL INTELLIGENCE

Knowledge representation, automated reasoning, and machine learning. Predicate logic, production rules, version spaces, and slot-and-filler structures are introduced as knowledge representation schemes. Automated reasoning using deduction, forward and backward chaining, and analogy are presented. Machine learning topics include induction, explanation-based learning, neural net algorithms, and genetic algorithms. Additional subjects involve problem spaces, heuristic search, game playing, expert systems, planning and natural language processing. *Prereq: C SC 381.*

C SC 481.20 COMPUTER NETWORKING

Local area networks, client hardware and software, server hardware and soft ware, network applications software, the Internet and TCP/IP. *Prereq: C SC 205, MATH 165*

C SC 481.30 INTRODUCTION TO COMPUTER GRAPHICS

Introduction to display hardware and applications, interactive techniques, 2D scan conversion, 2D and 3D transformations, clipping, 3D viewing, visible surface algorithms, and illumination models. *Prereq: C SC 415, MATH 220.*

C SC 481.40 SPECIAL TOPICS IN COMPUTER SCIENCE

The presentation of an advanced computer science topic. Possible topics include compiler design, machine learning, and operating systems. May be repeated for credit. *Prereq: vary with topic; permission of the instructor.*

C SC 490 INTERNSHIP **1-15 hrs**

C SC 498 COMPUTER SCIENCE ASSESSMENT **0 hrs**

Students will complete the Computer Science Major Field Test (2 hour exam) prepared by the Educational Testing Service during their senior year. Each student will meet with her/his academic advisor to discuss results in relation to career goals. *Prereq: Senior standing.*

MUSIC

Johnson (chairperson), Barkhymer, Bates, Chivington, Davenport, Eckenroth, Haberkorn, Tirey, Walker.

Mission and Programs

The Department of Music consists of ten full-time faculty members, approximately 40 part-time faculty members, and several administrative staff members. The department's primary goals are "to prepare music majors for careers in music, to provide coursework for students who desire a liberal arts program in music, to provide learning and performance opportunities for all interested students, and to serve as a cultural resource for Otterbein and the central Ohio community."

The department offers a Bachelor of Arts in Music and Music & Business; a Bachelor of Music Education; a Bachelor of Music in Performance; a Bachelor of Fine Arts in Musical Theatre (jointly with the Department of Theatre and Dance); and a music minor. It is also possible to create an individualized major within the B.A. degree track.

The Department of Music is an accredited institutional member of the National Association of Schools of Music (NASM).

Acceptance to the department for all, including beginning, transfer, or continuing studies students, is by audition, and continuation is determined by jury exams and the results of the sophomore conference to be held normally at the end of the fifth quarter of study, but in no case later than the first quarter of the junior year. In addition, a short advisory conference is held at the end of each music student's freshman year.

The sophomore conference is an interview with the full-time faculty and the student's adjunct music instructor, if applicable. The student will present a brief performance in the principal performing medium. Following will be a discussion of the dossier containing the student's self-evaluation, academic transcript, Department of Music activities' record, studio teacher's evaluation, and other appropriate materials. The results of the sophomore conference may be 1) continuation, 2) continuation on probation with specified deficiencies to be remedied and demonstrated at a reexamination, 3) continuation but with a change of degree program or curricular emphasis or 4) non-continuation in the music program.

Candidates for all degree programs must play or sing creditably in regular recitals of the department and participate in one or more of the campus major musical ensembles during each quarter they are enrolled as associated with their principal instrument(s), or specified by their degree program. In addition, students who receive talent or music participation awards may have additional ensemble requirements.

Students must register for Piano Class or Applied Piano until the Piano Proficiency Exam is passed. MUSC 105 and 151 are also required if not proficiencied. A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Music

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 310 or 330 must be selected)

- ❑ Foreign Language - 10 hrs (at 110-499 level from same language); students may proficiency
- ❑ Mathematics - 5 hrs (specifics on p. 15); select MATH 115 if pursuing the Music and Business concentration
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16; one of these hours must be dance/movement)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (approximately 70-90+ hrs or equivalent):

- ❑ MUSC 104 - 1 hr
- ❑ MUSC 120 OR 462 - 3 hrs*
- ❑ MUSC 130 OR 463 - 3 hrs**
- ❑ MUSC 150 - 2 hrs
- ❑ MUSC 160 - 3 hrs
- ❑ MUSC 161 - 1 hr
- ❑ MUSC 170 - 3 hrs
- ❑ MUSC 171 - 1 hr
- ❑ MUSC 200 - 3 hrs
- ❑ MUSC 201 - 1 hr
- ❑ MUSC 210 - 3 hrs
- ❑ MUSC 211 - 1 hr
- ❑ MUSC 220 - 3 hrs
- ❑ MUSC 221 - 1 hr
- ❑ MUSC 260 - 2 hrs
- ❑ MUSC 262 - 2 hrs
- ❑ MUSC 340 - 4 hrs
- ❑ MUSC 350 - 4 hrs
- ❑ MUSC 360 - 4 hrs

*Waived if performance area is voice

**Waived if performance area is piano

One of the following concentrations is also required:

1. **Music concentration**
   - ❑ MUSC 460s/470s in one performance area - 12 hrs (must enroll each quarter)
   - ❑ Music electives - 13 hrs (no more than 6 of these from ensembles)
2. **Music and Business concentration**
   - ❑ MUSC 460s/470s in one performance area - 12 hrs (must enroll each quarter, internship excepted)
   - ❑ MUSC 490 - 4 to 15 hrs

   Students must select one of the following minors:
   - ❑ A minor in Arts Administration - 30 hrs : ART 135, ART XXX, ACCT 200, ECON 210, BADM 300 or 310, and BADM 340
   - ❑ A minor in Business Administration - 30 hrs : ACCT 200, ECON 210, BADM 300 or 310, BADM 340 and any two other 5-hour BADM electives
   - ❑ A minor in Sound Production - 30 hrs : ACCT 200, BADM 340, ECON 210, MCOM 110, MUSC 285, MUSC 385, MUSC 450 Electro-Acoustic Workshop (1 hr) and THR 460 (2 hrs)

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.M.E. degree with a major in Music Education

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 130 and either 310 or 330 must be selected)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16); Recreational Folk Dance or Novelty/Folk and Line Dance must be one of the three courses selected
- ❑ Senior Year Experience - fulfilled by completing the Senior Year Experience Seminar (EDUC 410) required in the major

Requirements in the major (approximately 140 hrs or equivalent):

1. Required Music Core Courses

- ❑ MUSC 120 OR 462 - 3 hrs*
- ❑ MUSC 130 OR 463 - 3 hrs**
- ❑ MUSC 150 - 2 hrs
- ❑ MUSC 160 - 3 hrs
- ❑ MUSC 161 - 1 hr
- ❑ MUSC 170 - 3 hrs
- ❑ MUSC 171 - 1 hr
- ❑ MUSC 200 - 3 hrs
- ❑ MUSC 201 - 1 hr
- ❑ MUSC 210 - 3 hrs
- ❑ MUSC 211 - 1 hr
- ❑ MUSC 220 - 3 hrs
- ❑ MUSC 221 - 1 hr
- ❑ MUSC 260 - 2 hrs
- ❑ MUSC 340 - 4 hrs
- ❑ MUSC 350 - 4 hrs
- ❑ MUSC 360 - 4 hrs

*Waived if performance area is voice

**Waived if performance area is piano

2. Required Music Education Courses

- ❑ MUSC 262 - 2 hrs
- ❑ MUSC 264 - 2 hrs
- ❑ MUSC 290 - 2 hrs
- ❑ MUSC 295 - 2 hrs
- ❑ MUSC 300 - 2 hrs
- ❑ MUSC 305 - 2 hrs
- ❑ MUSC 370 - 4 hrs
- ❑ MUSC 375 - 4 hrs
- ❑ MUSC 380 - 4 hrs
- ❑ MUSC 450s - at least 5 credits
- ❑ MUSC 460s/470s - 22 hrs
- ❑ MUSC 493 - every term except when student teaching

3. Required Professional Education Courses

- ❑ COMM 100 - 5 hrs
- ❑ EDUC 160 - 4 hrs
- ❑ EDUC 200 - 5 hrs
- ❑ EDUC 210 - 2 hrs
- ❑ EDUC 360 or 365 - 2 hrs
- ❑ EDUC 400 - 0 to 4 hrs
- ❑ EDUC 450 - 3 hrs
- ❑ MATH 115 or 150 - 5 hrs
- ❑ EDUC 410 Student Teaching - 15 hrs
- ❑ EDUC 410 Senior Year Experience Seminar - 1 hr

- An instrumentalist must participate in a vocal ensemble for at least one year.
- A vocalist must participate in band or orchestra for at least one year.
- Instrumentalists such as pianists, guitarists, and bass guitarists must also participate in major ensembles, completing four years in either a vocal or instrumental major ensemble, and in addition, one year in the opposite kind of ensemble.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180, but typically closer to 195 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Music EducationTeacher Licensure (grades 7 - 12): Requirements for students seeking Music Education teacher licensure are listed in the Teacher Education Programs handbook available in the Education Department. Requirements for the music eduction major and teacher licensure may differ somewhat, but both must be met to become licensed and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

B.MUS. degree with a major in Performance

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13); INST 310 or 330 must be selected
- ❑ Foreign Language - 10 hrs (at 110-499 level from same language; proficiency from orientation placement exam not permitted)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16, one of these hours must be dance/movement)
- ❑ Senior Year Experience - MUSC 495, a course required in the major, satisfies this requirement

Requirements in the major (approximately 126 hrs or equivalent):

Required Music Core courses:

- ❑ MUSC 104 - 1 hr
- ❑ MUSC 120 OR 462 - 3 hrs*
- ❑ MUSC 130 OR 463 - 3 hrs**
- ❑ MUSC 150 - 2 hrs
- ❑ MUSC 160 - 3 hrs
- ❑ MUSC 161 - 1 hr
- ❑ MUSC 170 - 3 hrs
- ❑ MUSC 171 - 1 hr
- ❑ MUSC 200 - 3 hrs
- ❑ MUSC 201 - 1 hr
- ❑ MUSC 210 - 3 hrs
- ❑ MUSC 211 - 1 hr
- ❑ MUSC 220 - 3 hrs
- ❑ MUSC 221 - 1 hr
- ❑ MUSC 260 - 2 hrs
- ❑ MUSC 262 - 2 hrs
- ❑ MUSC 264 - 2 hrs
- ❑ MUSC 285 - 2 hrs
- ❑ MUSC 340 - 4 hrs
- ❑ MUSC 350 - 4 hrs
- ❑ MUSC 360 - 4 hrs
- ❑ MUSC 451 - 0 or 1 hr

*Waived if performance area is voice

**Waived if performance area is piano

Required Performance Area courses:

- ❑ MUSC 480's - 44 hrs (4 hrs per quarter for 11 quarters)
- ❑ MUSC 310 and 320 (for pianists) - 4 hrs

-or-

- ❑ MUSC 405 and either 400, 402, 410 or 412 (for singers) - 4 hrs

-or-

- ❑ MUSC 315 and 415 (instrumentalists) - 4 hrs

Required Electives:

- ❑ MUSC electives - 24 hrs (no more than 11 of these hours from ensembles)

Required Senior Recital:

- ❑ MUSC 495 - 5 hrs

- The BMUS curriculum requires intensive energy, preparation and dedication to the applied music performance area. **Students may not double major, but may pursue a minor with departmental approval. Students may not enroll for more than 18 hours per quarter.**

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree

- ❑ At least 180, but more typically closer to 186 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office 2 terms prior to the term in which the degree is to be completed.

B.F.A. degree with a major in Musical Theatre

See Department of Theatre and Dance for requirements.

Minor in Arts Administration

Required (all these courses):

- ❑ ART 135 - 5 hrs
- ❑ ART XXX - 5 hrs
- ❑ ACCT 200 - 5 hr
- ❑ ECON 210 - 5 hrs
- ❑ BADM 300 or 310 - 5 hrs
- ❑ BADM 340 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Music

Required (at least 25 total hrs):

- ❑ MUSC 105 - 2 hrs
- ❑ MUSC 151 - 1 hr
- ❑ MUSC 335 or 338 - 5 hrs
- ❑ at least one year of MUSC 460's or 470's - 3 hrs or more
- ❑ ensemble participation for at least three terms - 0 to 3 hrs
- ❑ remaining hours to reach 25 from any other MUSC courses

- No audition is needed to be accepted as a music minor.
- Many music courses have prerequisites.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Sound Production

Required (all of these courses):

- ❑ ACCT 200 - 5 hrs
- ❑ BADM 340 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ MCOM 110 - 5 hrs
- ❑ MUSC 285 - 2 hrs
- ❑ MUSC 385 - 5 hrs
- ❑ MUSC 450 Electro-Acoustic Workshop - 1 hr
- ❑ THR 460 - 2 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Program Outcomes

The **Bachelor of Arts** program offers broad, flexible coverage of the music field, and is easily combinable with other majors and minors, making the degree an attractive option for liberal arts students who want to pursue many options during their years at the College. The program may qualify students to apply for graduate study in music.

The **Music/Business Interdisciplinary** program consists of a major in music and a minor in arts administration, business administration or sound production. Internships are arranged with the adviser, locally or further afield. Possibilities include music retail and manufacturing establishments; recording companies; arts production, management and funding agencies; museums; theme parks; and many others. The program may qualify the student to work professionally in the same field in which he/she completed the internship (or in another related field), or to pursue graduate work in music and business or in another arts degree track.

The **Bachelor of Music Education** program leads to Music Multi-Age licensure and prepares students for teaching instrumental and vocal music in the public and private schools, grades PreK-12. The program also may qualify the student to apply for graduate study in music or music education.

The **Bachelor of Music in Performance** puts primary emphasis on the skills, concepts, and sensitivities essential to the life of the performing musician. The program may qualify students for graduate school in music performance, or for studio teaching and performing locally, regionally or nationally.

Music Courses (MUSC)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***MUSC* 101 FUNDAMENTALS OF MUSIC I** **3 hrs**

The first quarter of a three-quarter sequence of basic music fundamentals courses for musical theatre majors only. Emphases on practical music theory, sight singing, and piano necessary for the musical theatre major to successfully negotiate the musical theatre repertoire. Meets in the piano lab. *Open to freshmen musical theatre majors only.*

***MUSC* 102 FUNDAMENTALS OF MUSIC II** **3 hrs**

A continuation of Fundamentals of Music I. *Prereq: MUSC 101.*

***MUSC* 103 FUNDAMENTALS OF MUSIC III** **3 hrs**

A continuation of Fundamentals of Music I and II. *Prereq: MUSC 102.*

***MUSC* 104 FOUNDATIONS IN MUSIC** **1 hr**

The course offers BA and BMUS music majors the opportunity to begin to make connections between their music study, the total academic program, and post undergraduate

activities. This class will also provide these students a setting in which to share their perceptions about their intended profession; this process will in turn create a supportive atmosphere to ease the transition from high school to college, and eventually, to the workplace. *Only open to BA in Music and BMUS in Performance majors only.*

***MUSC* 105 INTRODUCTION TO MUSIC THEORY** **2 hrs**
The vocabulary and notation of music: scales, key signature, intervals, and triads. *Open to non-music majors with permission of chairperson.*

***MUSC* 120 VOICE CLASS** **1 hr (three terms)**
Beginning course in vocal techniques and song literature; required of all students unable to satisfy audition for studio instruction. Course must be repeated for total of three credits. Credit will not count unless sequence of three courses is completed in a single academic year - exceptions will be made only for students who show sufficient progress and are placed in MUSC 462 after one or two terms.

***MUSC* 130 PIANO CLASS** **1 hr (three terms)**
Sequence of courses in piano techniques and literature; required of all music majors unable to satisfy audition for studio instruction. Basic improvisation skills will be explored. Course must be repeated for a total of three credits. Credit will not count unless sequence of three courses is completed in a single school year - exceptions will be made only for students who show sufficient progress and are placed in a higher level piano class or MUSC 463. Piano class studio instruction must be repeated until student passes Piano Proficiency Exams, available from head of keyboard area.

***MUSC* 140 GUITAR CLASS** **1 hr**
Beginning course in guitar techniques and literature; required of students unable to satisfy audition for studio instruction.

***MUSC* 150 INTRODUCTION TO MUSIC** **2 hrs**
An introductory music course with a global music perspective. *Open to non-majors with permission of chairperson.*

***MUSC* 151 EAR TRAINING AND SIGHT SINGING** **1 hr**
Basic ear training and sight singing using solfege syllables (movable "do"). Classroom and laboratory instruction using computer-assisted ear-training programs. *To be taken in conjunction with MUSC 105 and/or 150.*

***MUSC* 160 THEORY I: DIATONIC HARMONY** **3 hrs**
Diatonic theory course which includes the study of cadences, non-harmonic tones, melody, texture, voice leading in two and four voices, harmonic progression and various chord structures. Basic compositional skills and music notation software will be included. *Prereq: Placement exam or MUSC 105.*

***MUSC* 161 EAR TRAINING AND SIGHT SINGING** **1 hr**
Continuation of MUSC 111. To be taken in conjunction with MUSC 160.

***MUSC* 170 THEORY II: CHROMATIC HARMONY** **3 hrs**
Chromatic theory course which includes the study of modulation, secondary dominants and other chromatic chord structures, and two- and three-part forms. A basic composition project is included. *Prereq: Placement exam or MUSC 160.*

***MUSC* 171 EAR TRAINING AND SIGHT SINGING** **1 hr**
Continuation of MUSC 161. To be taken in conjunction with MUSC 170.

***MUSC* 200 THEORY III: 18TH CENTURY STYLES** **3 hrs**
Styles of the Late Renaissance through the 18th Century: Late Renaissance Polyphony, 19th Century Counterpoint, Fugue, Variation Technique, Harmony. Composition projects will be included. *Prereq: MUSC 170.*

***MUSC* 201 EAR TRAINING AND SIGHT SINGING** **1 hr**
Continuation of MUSC 171. To be taken in conjunction with Music 200.

***MUSC* 210 THEORY IV: 19TH CENTURY STYLES** **3 hrs**
Styles of the 19th Century: Sonata and Rondo Forms, Character Pieces, Lieder, Harmony. Composition projects will be included. *Prereq: MUSC 200.*

***MUSC* 211 EAR TRAINING AND SIGHT SINGING** **1 hr**
Continuation of MUSC 201. To be taken in conjunction with Music 210.

***MUSC* 220 THEORY V: 20TH AND 21ST CENTURY STYLES** **3 hrs**
Styles of the 20th and 21st Centuries: Post-Romanticism, Impressionism, Primitivism, Neoclassicism, Pandiatonicism, Set Theory, Serialism, Indeterminancy, Electronic and Computer Music, Minimalism. Composition projects will be included. *Prereq: MUSC 210.*

***MUSC* 221 EAR TRAINING AND SIGHT SINGING** **1 hr**
Continuation of MUSC 211. To be taken in conjunction with Music 220.

***MUSC* 260 BASIC CONDUCTING** **2 hrs**
Baton techniques, score reading and basic rehearsal procedures for both choral and instrumental music. *Prereq: MUSC 170*

***MUSC* 262 INTERMEDIATE CONDUCTING** **2 hrs**
A continuation of conducting techniques with emphases in the areas of choral and instrumental rehearsal procedures. *Prereq: MUSC 260.*

***MUSC* 264 ADVANCED CONDUCTING** **2 hrs**
Advanced conducting techniques and score preparation. Final conducting projects in the student's specific areas of expertise are required. *Prereq: MUSC 262*

***MUSC* 270 MUSIC FOR THE CLASSROOM TEACHER** **4 hrs**
Includes music reading, practical keyboard, guitar playing, recorder playing, and rudimentary conducting, with laboratory experiences in the use of music, methods, and

materials representing diverse cultures for early childhood and elementary classrooms. *Not open to music majors.*

***MUSC* 276 JAZZ STYLES AND IMPROVISATION** **1 or 2 hrs**
A course designed to give students a basic performance knowledge of jazz styles and improvisation. Through aural training and the study of modes, blues scales and jazz patterns, students will learn to improvise on their major instrument. *Prereq: MUSC 170 or permission of instructor. May be repeated for a maximum of 6 credits.*

***MUSC* 280 BEGINNING COMPOSITION** **2 hrs**
Principles and techniques of composition in small forms for various media. *Prereq: MUSC 220 or permission of instructor.*

***MUSC* 285 ELECTRONIC MUSIC STUDIO** **2 hrs**
An introduction to musical acoustics, tunings and temperaments, classic tape studio and MIDI. Necessary for access to the College's Electronic Music Studio. *Prereq: Two terms of theory or permission of instructor. May be repeated for a maximum of 4 credits.*

***MUSC* 290/295 STRING AND PERCUSSION METHODS** **2 hrs/2hrs**
History, techniques, tone production, teaching methods and care of the various string and percussion instruments.

***MUSC* 300/305 WOODWIND AND BRASS METHODS** **2 hrs/2hrs**
History, techniques, tone production, teaching methods and care of the various woodwind and brass instruments.

***MUSC* 310 PIANO PEDAGOGY AND LITERATURE** **2 hrs**
Survey of methods and materials for elementary and intermediate piano students. An elective course for piano majors. Includes survey of literature for advanced pianists. Offered upon sufficient demand. *Prereq: Permission of instructor.*

***MUSC* 315 INSTRUMENTAL PEDAGOGY AND LITERATURE I**
2 hrs (alt. yrs.)
The first of two courses designed to meet the needs of students desiring a career in instrumental music performance and/or studio teaching. Students will examine pedagogy in their area of emphasis (low brass, woodwinds, strings; or mallet percussion) through observation and discussion. At the end of the quarter, students will turn in a notebook of private teaching techniques and resources. *Prereq: Two years of MUSC 460's, 470's, or 480's.*

***MUSC* 320 ACCOMPANYING** **2 hrs**
Students will be assigned practical accompanying projects in both the instrumental and vocal areas. *Prereq: Permission of instructor. May be repeated for credit.*

***MUSC* 335 AMERICAN MUSIC** **5 hrs**
A survey of the evolution of American music. Includes study of both popular and artistic traditions.

***MUSC* 338 WOMEN IN MUSIC** **5 hrs (alt. yrs.)**
Examines women's contributions to music and music-making from historical, sociological and cultural viewpoints. Music from principal stylistic eras, mainly from the Western European tradition, will be covered.

***MUSC* 340 MUSIC HISTORY AND LITERATURE I** **4 hrs**
A survey of the history of music from antiquity through the Renaissance. *Prereq: MUSC 220 or permission of instructor.*

***MUSC* 350 MUSIC HISTORY AND LITERATURE II** **4 hrs**
A survey of the history of music during the Baroque and Classical eras. *Prereq: MUSC 340 or permission of instructor.*

***MUSC* 360 MUSIC HISTORY AND LITERATURE III** **4 hrs**
A survey of the history of music during the 19th, 20th and 21st centuries. *Prereq: MUSC 350 or permission of instructor.*

***MUSC* 370 MUSIC METHODS AND MATERIALS FOR THE ELEMENTARY SCHOOL** **4 hrs**
Materials and methods for early childhood and elementary classrooms; practical keyboard, guitar, and recorder skills; laboratory experiences in the use of music, methods, and materials representing the diverse cultures present in today's schools. Requires 35 clock-hours of school participation.

***MUSC* 375 MUSIC METHODS AND MATERIALS FOR THE MIDDLE SCHOOL** **4 hrs**
Materials and methods for teaching middle school music. Methods for organization, maintenance, and selecting literature for choirs, band and orchestras representing diverse cultures, historical periods and styles. Practical keyboard and guitar skills. Teaching the non-performance music class. Requires 35 clock-hours of school participation.

***MUSC* 380 MUSIC METHODS AND MATERIALS FOR THE SECONDARY SCHOOL** **4 hrs**
Materials and methods for teaching high school music. Methods for organization, maintenance and literature for choirs, band and orchestras representing diverse cultures, historical periods and styles. Practical keyboard skills. Teaching the non-performance music class. Requires 35 clock hours of school participation.

***MUSC* 385 RECORDING TECHNOLOGY** **5 hrs**
Examines the acoustics and electrical properties of sound production, and also provides the student an opportunity to learn live sound and recording techniques. Music and Business students must take the course prior to the internship quarter. *Prereq: MCOM 110 and MUSC 285.*

***MUSC* 390 INDEPENDENT STUDY** **1-5 hrs**
Topic(s) to be selected by student(s) with approval of the chairperson. May be repeated for credit.

***MUSC* 400 DICTION FOR SINGERS I** **2 hrs**
Basic diction in English and Italian. Includes study of the International Phonetic Alphabet and its application to solo vocal literature in these two languages. *Prereq: One year of MUSC 462, 472 or 482.*

***MUSC* 402 DICTION FOR SINGERS II** **2 hrs (alt. yrs.)**
Basic diction in German and French. Includes study of International Phonetic Alphabet and its application to solo vocal literature in these two languages. *Prereq: MUSC 400 or permission of instructor.*

***MUSC* 405 VOCAL PEDAGOGY** **2 hrs**
An exploration of the vocal mechanism. The course is designed to provide the basic skills necessary to teach voice in the private studio. *Prereq: One year of MUSC 462, 472, or 482, or permission of instructor.*

***MUSC* 410 ART SONG LITERATURE** **2 hrs (alt. yrs.)**
A survey course designed to provide an introduction to a song repertoire c. 1580 - present. The primary material to be covered includes Italian song, German Lied, French melodie, and British and American song. Russian, Scandinavian, and Spanish repertoiries will be discussed as time permits. In addition to readings in the text, students will be responsible for listening assignments. *Prereq: One year of MUSC 462, 472, or 482.*

***MUSC* 412 OPERA LITERATURE** **2 hrs (alt. yrs.)**
A survey course examining opera literature from its beginnings in late-Renaissance Italy to the latest works from the contemporary period such as John Adams and Philip Glass. Emphases will be placed on works from the standard repertory by Gluck, Mozart, Rossini, Donizetti, Verdi, Wagner, Puccini, and Strauss. Lesser works will be discussed as time permits. In addition to readings in the text, students will be responsible for listening assignments. *Prereq: One year of MUSC 462, 472, or 482.*

***MUSC* 415 INSTRUMENTAL PEDAGOGY AND LITERATURE II**
2 hrs (alt. yrs.)
The second of two courses designed to meet the needs of students desiring a career in instrumental music performance and/or studio teaching. Students will examine pedagogy in their area of emphasis (high brass, woodwinds, strings; or non-melodic percussion) through observation and discussion. At the end of the quarter, students will turn in a notebook of private teaching techniques and resources. *Prereq: Two years of MUSC 460's, 470's, or 480's.*

***MUSC* 420 MUSICAL THEATRE STUDIO** **4 hrs**
Techniques of performance relevant to musical theatre. Preparation of scenes from representative musicals. *Prereq: Junior standing or permission of either the chairperson of the Department of Music or of the Department of Theatre and Dance.*

***MUSC* 421 FRESHMAN MUSICAL THEATRE ENSEMBLE** **1 hr**
A freshman musical theatre ensemble. *Open to B.F.A. students in musical theatre only.*

***MUSC* 440 AMERICAN MUSICAL THEATRE** **2 hrs**
A survey of musical theatre repertory from the 19th century to the present; contains a performance component. *Open to B.F.A. musical theatre students only, or permission of instructor.*

***MUSC* 446 MARCHING BAND METHODS** **2 or 4 hrs**
The fundamental techniques of marching bands; charting and arranging in both traditional and contemporary styles. Includes a practicum experience in producing a band show. *Prereq: Junior standing.*

***MUSC* 447 ADVANCED THEORY** **2 hrs**
For advanced students intending to pursue graduate work. Those approved by the chairperson will assist in the teaching of lower-level theory students, and complete a survey of the literature and methods of teaching music theory. May be repeated for credit. *Offered on demand. Prereq: MUSC 220 or permission of instructor.*

***MUSC* 448 ADVANCED COMPOSITION** **2 hrs**
Individual study, concentrating on larger forms. May be repeated for credit. *Prereq: MUSC 280 or permission of instructor. Offered on demand.*

All Ensemble Courses (MUSC 450s) may also be elected for no credit.

***MUSC* 450 CHAMBER ENSEMBLE** **1 hr**
Various small instrumental ensembles that may include Brass Quintet, Electro-Acoustic Workship, Flute Ensemble, Piano Duo, Piano Trio, Saxophone Quartet, String Quartet, Trombone Choir, Tuba Ensemble, and Woodwind Quintet.

***MUSC* 451 OPERA** **1 hr**
Performing projects include opera scenes, one-act operas, and full opera productions. A two level acting sequence is offered for BA and BMUS students. A fall quarter seminar class is required of freshman music majors whose principal instrument is voice. The credit may also be awarded for students completing assigned technical duties associated with the opera productions. *Performance projects open by audition.*

***MUSC* 452 OPUS ONE** **1 hr**
Opus One is a vocal jazz ensemble. Credit for Opus One will not count unless a sequence of three courses is completed in a single academic year. *Students must also be registered simultaneously for either MUSC 454 or MUSC 455. Open by audition.*

***MUSC* 453 BANDS**

CARDINAL MARCHING BAND **1 hr**
Cardinal Marching Band performs at all home football games and various other functions throughout the autumn quarter. Participation is open to any member of the

Otterbein community who plays an instrument. Interested students are also encouraged to audition for either the O-Squad (dance/flags), or as a twirler.

CONCERT BAND **1 hr**

Concert Band performs during winter and spring quarters, and tours either do mestically or abroad during spring break for 5-10 days, depending on the tour. Open to all students. Registration is required for both quarters, including a commitment to go on tour: Exceptions to this policy are made only by the Director of Instrumental Activities.

PEP BAND **1 hr**

Pep Band performs at men's and/or women's basketball games during winter quarter, including at tournament games.

WIND ENSEMBLE **1 hr**

Wind Ensemble is a select group of 35 to 40 musicians, often one part to a player, which rehearses throughout the academic year. The ensemble tours with the Concert Band during spring break. Open by audition only, and students must register for all three quarters, including a commitment to tour in the winter quarter, and must also register for Concert Band. Exceptions to these policies are made only by the Director of Instrumental Activities.

***MUSC* 454 MEN'S GLEE CLUB/WOMEN'S CHORALE/CAMERATA 1 hr**

Two to four hours rehearsal per week. Men's Glee Club and Women's Chorale are ensembles that are open to students across campus by audition; Camerata is a mixed ensemble drawn from the membership of the two ensembles. Credit will not count unless a sequence of three courses is completed in a single academic year. *Open by audition.*

***MUSC* 455 CONCERT CHOIR** **1 hr**

Four hours rehearsal per week. Concert Choir is Otterbein's most select choral ensemble. Credit will not count unless a sequence of three courses is completed in a single academic year. Students placed in Concert Choir must tour with the choir over winter break. *Open by audition.*

***MUSC* 456 ORCHESTRA**

STRING ORCHESTRA **1 hr**

One to three hours of rehearsal per week. The string orchestra is a performing ensemble for violin, viola, cello and string bass instrumentalists. The repertoire is open to all Otterbein students without an audition, although players must have previous playing experience.

WESTERVILLE SYMPHONY **1 hr**

Three hours rehearsal per week. The Westerville Symphony is a symphonic orchestra which draws membership from the Otterbein campus and from the central Ohio community. Credit will not count unless a sequence of three courses is completed in a single academic year. *Open by audition.*

***MUSC* 457 BIG BAND/JAZZ ENSEMBLE** **1 hr**
Two hours rehearsal per week. Big Band is the College's most select instrumental jazz group and features standard instrumentation; Jazz Ensemble often is formed with flexible instrumentation. Credit will not count unless a sequence of three courses is completed in a single academic year. *Open by audition.*

***MUSC* 458 PERCUSSION ENSEMBLE** **1 hr**
Two hours rehearsal per week. The Percussion Ensemble plays music for a variety of percussion ensemble combinations, and performs at least twice a year on campus. Credit will not count unless a sequence of three courses is completed in a single academic year. *Must be simultaneously registered for MUSC 453.*

***MUSC* 459 OTTERBEIN VOCAL ENSEMBLE** **1 hr**
Two hours rehearsal per week. The Otterbein Vocal Ensemble sings chamber music drawn from all periods and styles. Credit will not count unless a sequence of three courses is completed in a single academic year. *Open by audition. Must also be simultaneously registered for MUSC 454 or 455.*

Courses numbered MUSC 460-468 carry one hour credit per term; MUSC 470-478 carry two hours credit per term; and MUSC 480-488 carry four hours credit per term. Credit will not count toward graduation unless the sequence of three courses is completed in a single academic year. An audition may be required. Each 460's course involves a half-period studio lesson (25 minutes) per week; each 470's and 480's course involves a full-period lesson (50 minutes) per week.

***MUSC* 460/470/480 APPLIED WOODWINDS**
***MUSC* 461/471/481 APPLIED BRASS**
***MUSC* 462/472/482 APPLIED VOICE**
***MUSC* 463/473/483 APPLIED PIANO**
***MUSC* 464/474/484 APPLIED GUITAR**
***MUSC* 465/475/485 APPLIED STRINGS**
***MUSC* 466/476/486 APPLIED PERCUSSION**
***MUSC* 467/477/487 APPLIED ORGAN**
***MUSC* 468/478/488 APPLIED HARP**

***MUSC* 490 INTERNSHIP** **1-15 hrs**
Available in Music and Business, and in other areas. *Prereq: Permission of the chairperson.*

***MUSC* 493 MUSIC TEACHING PRACTICUM** **0 credit**
The practicum meets once a week. Music education students are introduced to large and small ensemble music teaching materials and teaching strategies for various levels. Students will be introduced to the music education profession and to preparation required to earn music education licensure in Ohio. Required of all music education students not enrolled in the student teaching quarter. A total of 100 hours of clinical field experience can be earned through the successful completion of the music teach-

ing practicum during ten academic quarters. *Ten hours of clinical field experience per quarter.*

MUSC 495 THE SOLO RECITAL: PREPARING A 19TH CENTURY INSTITUTION FOR THE 21ST

2 hrs Autumn, 1 hr Winter, 2 hrs Spring

This SYE course will meet over three quarters and will examine the concept of public recital preparation and performance, its history, evolution and arrival at the millennium. As students prepare for their own senior recitals, they will study the history of this western European tradition through an examination of the careers of many great performers, including Jenny Lind, Franz Liszt, Clara Schumann, Enrico Caruso and others, including artists performing today.

Reaching out beyond the field of music, the recitalists will read about and discuss the role of the arts within society-at-large, including an examination of the place of the solo recital in today's global culture. To that end, and to more fully recognize the arts as a dynamic, ever-changing force, each student will interview a living composer, and if possible, learn and peform a work of the composer as part of the culminating recital. *Open to B.MUS. students only. B.A. in Music students may elect the course with the permission of the chairperson.*

NURSING

Strayer (chairperson) Berry, Burnam, Carlson, Cornett, Jedlicka, Keane, McKelvey, Mikolaj, Pryor-McCann, Schaffner, Vogt.

Mission and Programs

The Department of Nursing is committed to quality nursing education which fosters critical thinking within the context of a caring framework. Our mission encourages the personal and professional development of faculty, staff and students. An appreciation for diverse perspectives and humane values is central to this mission. Building on a liberal arts education and a strong science foundation, the goal of the Nursing Program is to prepare lifelong learners who are committed to the profession, the community and to meeting the changing healthcare needs of society.

The Department of Nursing consists of 13 full-time faculty and approximately 25 part-time clinical faculty. The department offers a Bachelor of Science in Nursing (B.S.N.) program that includes an L.P.N. to B.S.N. track, an R.N. to B.S.N. track, and an R.N. to M.S.N. track; and a Master of Science in Nursing (M.S.N.) program and three Post-Masters programs.

Four tracks are available that lead to a Bachelor of Science in Nursing degree (B.S.N.). One track is the four-year curriculum that enables graduates to take the national licensing examination in nursing. The second track, designed specifically for registered nurses, consists of a two-year upper division curriculum. The third track, designed specifically for licensed practical nurses, enables graduates to take the national licensing examination in nursing. The fourth track, designed specifically for registered nurses, consists of an upper division curriculum leading to a Baccalaureate degree in nursing and progression into the Masters Program.

The Master of Science Program in Nursing (M.S.N.) offers four majors: Nursing Service Administration, Adult Health Care, Adult Nurse Practitioner and Family Nurse Practitioner. The Post-Masters programs offer certificates in Adult Nurse Practitioner, Family Nurse Practitioner. and Advanced Practice Nurse Educator. Additional information regarding the M.S.N. program is described in the Otterbein College Graduate Studies in Nursing Catalog, available upon request from the Office of Graduate Programs.

The nursing programs are accredited by:

The National League for Nursing Accrediting Commission (NLNAC), located at 51 Broadway, New York, NY 10006, is an informational resource for the nursing program (e.g. tuition, fees and length of programs). The telephone number is 1-800-669-9656.

The Commission on Collegiate Nursing Education (CCNE) is located at One Dupont Circle, NW, Suite 530, Washington, D.C. 20036-1120. The telephone number is 202-887-6791.

Application Process

Students enrolled at Otterbein College in their freshman year as pre-nursing majors will be reviewed for admission into the nursing major in the spring of their freshman year. Criteria specified below must be met to apply for admission. The most qualified students will be selected for available spaces, using Otterbein GPA, High School GPA, ACT scores, and prerequisite course grades. The nursing program sequence begins each fall quarter with Nursing 260. The Nursing Application Form must be submitted by April 1 to the Nursing Department. Notification of admission status will be mailed by May 1. Students not accepted for an academic year must re-apply to be considered for the following academic year.

Students transferring to Otterbein College into the nursing major must submit a Nursing Application Form to the Nursing Department after obtaining admission to the college. The nursing program sequence begins each fall quarter with Nursing 260. For priority consideration, applications must be received by April 1. The highest qualified candidates will be selected for the limited spaces available. Notification of admission status will be mailed by June 1. Students not accepted for an academic year must re-apply to be considered for the following academic year.

RN-to-BSN & LPN-to-BSN students must submit a Nursing Application Form to the Nursing Department when they are ready to begin nursing courses, after obtaining admission to the college. For priority consideration applications must be received by April 1. RN-to-BSN track nursing courses begin each summer with Nursing 300. LPN-to-BSN track nursing courses begin each fall with Nursing 260. The highest qualified candidates will be selected for the limited spaces available. Notification of admission status will be mailed by June 1. Students not accepted for an academic year must re-apply to be considered for the following academic year.

Admission Requirements

The following criteria must be met by all students in order to apply for admission to the BSN Program:

1. Admission to the College.
   Note: This is a separate application processed by the Admissions Office (traditional students) or the Office of Continuing Studies (adult students).
2. Minimum cumulative grade point average (GPA) of 2.7 on a 4.0 scale (all colleges combined). Grades earned over 10 years ago will not be used to calculate the cumulative GPA if a sufficient number of recent classes have been taken to demonstrate current academic ability.
3. Completion of the following courses at a C level or above (obtained credit by validation exam) by the end of spring quarter of the year you plan to enter nursing.

• Chemistry 110	General Chemistry
• Integrated Studies 100, 105, or 110	Freshman English
• Integrated Studies 130	General Psychology
• Life Science 108	Anatomy & Physiology I
• Life Science 109	Anatomy & Physiology II

4. Prequisite courses with a grade less than a C must be repeated. Earning less than a C on initial attempt math, science, or nursing courses may negatively influence applicant's admission status.
5. RN-to-BSN applicants: Enter nursing courses in the summer, and then at the senior level. Applicants must have completed the above prerequisites and Life Science 206 (Microbiology) and Psychology 210 (Growth & Development), and have current RN licensure in Ohio.
6. LPN-to-BSN applicants: Enter nursing courses in the fall. Applicants must complete the above prerequisites, and have current LPN licensure in Ohio.

Program Requirements for Clinical Courses

Participation in clinical experience is NOT permitted until all clinical requirements (uniforms, CPR, health requirements and immunizations, liability insurance, and BCI clearance) are met, and failure to complete prior to course deadline may result in failure of the nursing course and/or dismissal from the nursing program.

Uniforms: Purchase uniforms and dress according to the uniform policy found in the *Department of Nursing Undergraduate Handbook.*

CPR: Complete the **American Heart Association CPR Basic Life Support Course for Health Care Providers (BLS-C).** Certification is valid for two years and recertification is required prior to expiration. **(American Red Cross CPR classes are NOT accepted for this requirement.)**

Health Requirements: Complete Student Health Form. Proof of up-to-date immunizations as specified by the **Student Health Center**, including an initial two-step Mantoux TB skin test (or chest x-ray if recommended by medical provider) and the Hepatitis B vaccine series (or waiver). Annual one-step TB tests must also be maintained.

Liability Insurance: Provide proof of nursing student liability insurance on file in the Department of Nursing. Application forms are available in the Department of Nursing, Science 209, if needed. Annual renewals must be maintained.

Bureau of Criminal Investigation (BCI) Clearance: Complete an initial BCI clearance when enrolled in the first clinical nursing course. The Ohio Board of Nursing requires another BCI clearance prior to taking the National Council Licensure Examination—Registered Nurse (NCLEX-RN). Application materials are available in the Department of Nursing. Students are responsible for associated fees. (Note: occasionally health care agencies may require a repeat of BCI clearance for students placed at their facility; students are responsible to complete this as required.)

Health Insurance: Recommend adequate health insurance coverage. Students are financially responsible for any testing or treatment needed following a course-related injury or illness.

Essential Performance Requirements

In order to accomplish the objectives of the nursing program safely, students must possess the ability and fitness to perform in a manner that will not jeopardize safety and well-being of their patients or themselves. Examples of these essential peformance requirements include but are not limited to:

1. Visual acuity with or without corrective lenses to identify cyanosis or absence of respiratory movement in patients, perform equipment calibrations, read small print on medication containers, physician's orders and equipment monitors, perform physical assessments and recognize when a patient is in imminent danger, etc. Many clinical agencies require all healthcare workers to possess normal visual color perception.
2. Hearing ability with or without auditory aids to understand the normal speaking voice without viewing the speaker's face, hear monitor alarms, emergency signals, patients' calls for help, call bells from patients, stethoscope sounds originating from a patient's blood vessels, heart, lungs, and abdomen, etc.
3. Physical ability to stand for prolonged periods of time, perform cardiopulmonary resuscitation, quickly move about and transport patients during emergencies, carry infants, maneuver quickly in confined spaces, etc. Other physical requirements include carrying equipment, pushing, pulling, stooping, kneeling, bending, and climbing stairs. Must be able to lift, push and pull with assistance (mechanical or co-worker) the weight of the average patient specific to the clinical area working in.
4. Ability to communicate effectively in verbal and written form. Ability to speak clearly, coherently and succinctly when explaining treatment procedures, describing patient conditions, implementing health teaching, etc. Ability to write legibly, logically and correctly in patient's chart for legal documentation, etc.
5. Manual dexterity and fine motor skills, including eye-hand-foot coordination, repetitive arm and hand movements and finger dexterity, using sterile techniques, inserting catheters, preparing and administering medication (oral, intramuscular, intravenous), and numerous other invasive procedures.
6. Emotional stability and ability to accept responsibility and accountability.

The nursing department may require nursing students with special needs who pose a threat to the safety of others or to themselves in the health care environment to withdraw from the program. Each situation will be reviewed on an individual basis.

HEALTH PROBLEMS POLICY: The student is responsible for informing faculty of health problems that may affect personal or client safety in the clinical setting (i.e., pregnancy, infections, chronic illnesses, etc.). Authorization from a health care provider may be required to participate in clinical experiences.

FEES/EXPENSES POLICY: Additional fees are required. See *Otterbein College Undergraduate Course Catalog* and *Otterbein College Schedule of Classes* for tuition and fee schedule.

DEPARTMENT OF NURSING UNDERGRADUATE HANDBOOK: Provides guidelines and policies related to the nursing program. Students are expected to read and abide by the policies. The handbook is available on-line at *WWW.otterbein.edu*, Department Internet site for Nursing.

B.S.N. degree with a major in Nursing

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 130 must be selected)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)
- ❑ Free Elective - 5 hrs

Requirements in the major (approximately 139 hrs or more or equivalent):

Required Lower Division Nursing courses

- ❑ NURS 230 - 4 hr
- ❑ NURS 240 - 4 hrs
- ❑ NURS 260 - 7 hrs
- ❑ NURS 270 - 7 hrs
- ❑ NURS 280 - 7 hrs

Required Upper Division Nursing courses

- ❑ NURS 300 - 3 hrs*
- ❑ NURS 335 - 3 hrs
- ❑ NURS 340 - 8 hrs
- ❑ NURS 351 - 5 hrs*
- ❑ NURS 360 - 8 hrs
- ❑ NURS 370 - 8 hrs
- ❑ NURS 390 or 499 - 2 hrs
- ❑ NURS 440 - 3 hrs
- ❑ NURS 460 - 8 hrs
- ❑ NURS 470 - 8 hrs
- ❑ NURS 480 - 8 hrs

Required Support courses

- ❑ CHEM 110 - 5 hrs
- ❑ CHEM 220 - 6 hrs
- ❑ C SC 100 - 3 hrs
- ❑ MATH 115 - 5 hrs
- ❑ L SC 108 - 5 hrs
- ❑ L SC 109 - 5 hrs
- ❑ L SC 206 - 5 hrs
- ❑ L SC 312 - 5 hrs
- ❑ MATH 230 - 5 hrs
- ❑ PSYC 210- 5 hrs
- ❑ SOCL 120 - 5 hrs

* Courses for RN students only

Grade Requirements

- A minimum grade of "C" is required in Life Science 108, 109, 206, 312; Chemistry 110, 220; Integrative Studies 100, 105 or 110 and 130. If a grade less than "C" is earned, these courses must be repeated in order to meet pre requisite and degree requirements.
- A minimum grade of "C" is required in all nursing courses. To proceed in the sequence of nursing courses, all prerequisite nursing courses must be completed with a "C" or better.
- Whenever a BSN student interrupts enrollment in the three-year sequence of nursing courses (regardless of reason), the student must apply for re-enrollment into nursing courses at least one quarter prior to re-entry (for fall re-entry, application must be submitted by April 1). Late submission of materials may negatively effect the student's re-enrollment. Re-enrollment is not guaranteed and is determined by the Professional Review Committee on an individual basis. The full policy and procedure for re-enrollment is located in the Department of Nursing Undergraduate Student Handbook.

- A student receiving two (2) grades of "C-" (C minus) or lower in the original attempt in all nursing courses; Life Science 108, 109, 206, 312; Chemistry 110 and 220 (CHEM 220 double counts with INST 340); or any combination of these courses, will no longer be able to continue in the BSN Program. A student may attempt only one nursing course twice in the BSN Program. An attempt is defined as being enrolled in a course beyond the twenty-fifth class day. Receiving a grade of C- (C minus) or lower or a W (Withdrawal) in the original attempt of any nursing course will constitute an attempt.
- A cumulative grade point average of at least 2.0 is required to receive the B.S.N. degree.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180, but more typically closer to 192 (also see exceptions/additional comments on p. 23).

Application for Degree

❑ A prospective graduate must submit an Application for Degree at the Registrar's Office two quarters prior to the quarter in which the degree is to be completed.

Track I: B.S.N. Students

The B.S.N. student will fulfill all of the above requirements.

Track II: R.N. to B.S.N. Students

- Credit for lower division nursing courses and NURS 340, 360 and 370 will be conferred upon completion of the program.
- Credit for the required support courses may be obtained through completion of the course, transfer credit or validation examination.
- All students must complete NURS 300.
- Credit for selected upper division nursing courses may be established by proficiency examination if eligibility criteria are met. Credit for no more than two of the following clinical courses: NURS 351, 460, 470 or 480 may be obtained through proficiency examination. If credit for two clinical courses is obtained, one of the clinical courses must be NURS 351.
- Credit for no more than one 400 level non-clinical course may be obtained through a proficiency examination.
- Current CCRN or CEN status meets the criteria for validation credit in NURS 470.
- Students must meet the Otterbein College residence requirements (see residence requirement section in this catalog).
- Information related to the examination schedule and fees may be obtained from the Department of Nursing.

Track III: L.P.N. to B.S.N. Students

- Credit for NURS 230 (Basic Pharmacology) and NURS 240 (Nutrition Through the Life Span) may be established by validation examination.

- Credit for NURS 280 may be established by validation examination. If the student receives credit by examination for NURS 280, the student must also complete NURS 290.
- Validation of selected clinical skills at a satisfactory level must be demonstrated prior to enrollment in upper division nursing courses.
- Credit for the required support courses may be earned by taking courses at Otterbein, by transfer and/or by examination.

Track IV: R.N. to M.S.N. Students

The R.N. to M.S.N. student receives both a Bachelor of Science in Nursing degree and a Master of Science in Nursing degree. Students who do not meet criteria for progression into the M.S.N. program continue to completion of the B.S.N. program.

Admission to the R.N. to M.S.N. track requires two applications: 1) apply to the Office of Continuing Studies for the R.N. to M.S.N. track; and 2) apply to the Office of Graduate Programs for admission to the M.S.N. Program, during the last quarter of the B.S.N. Program.

Specific graduate level courses (NURS 614, NURS 670, L SC 500 and NURS 699) meet selected B.S.N. curriculum requirements. All B.S.N. requirements and full admission to the M.S.N. program must be completed before enrolling in subsequent graduate courses. A minimum cumulative grade point average of 3.0 on a 4.0 scale for all undergraduate and graduate studies is required for admission to the M.S.N. program.

The R.N. to M.S.N. student must maintain a current cumulative GPA of 3.0. A minimum grade of C+ is required in all graduate course work. If a grade lower than C+ is earned, the graduate course must be repeated in order to enroll in subsequent graduate nursing courses. If a student receives a second C or lower in any required graduate course, the student may no longer progress in the R.N. to M.S.N. program. A student may attempt only one graduate course twice in the R.N. to M.S.N. program. An attempt is defined as being enrolled in a course beyond the twenty-fifth class day. Receiving a grade of C or lower or a W (Withdrawal) in the original attempt of any graduate course will constitute an attempt.

Graduate requirements for a M.S.N. degree include a cumulative grade point average of at least 3.0 and successful completion of the capstone requirement at a "B" level or higher. (See *Otterbein College Graduate Studies in Nursing Handbook* for additional information)

Admission Criteria

Admission to the R.N. to M.S.N. program is open to graduates of accredited nursing programs who hold a current Ohio registered nurse license and give evidence of academic and professional ability to succeed in advanced nursing studies. The most qualified applicants who meet the admission criteria will be selected on a space-available basis.

1. Admission to Otterbein College.
2. Licensure as a registered nurse in Ohio.
3. A minimum cumulative grade point average of 3.0 on a 4.0 scale on all previous college level work.

4. One year full-time or equivalent part-time nursing employment is required for adult health care and nursing service administration majors. Two years full-time or equivalent part-time nursing employment experience is required for nurse practitioner majors.
5. Evidence of capacity for graduate work as documented in two recommendations.

Admission Procedure

STEP ONE:

1. Schedule an appointment with the Nursing Advisor in the Continuing Studies Office for program information and academic planning.
2. Complete the Otterbein College Undergraduate Application Form. Obtain the form from the Continuing Studies Office.
3. Complete an R.N. to M.S.N. Application for Admission form and submit to the Office of Continuing Studies.
4. The following courses are required for admission (with a minimum grade of C):
   - Integrative Studies 100 or 105 or 110 (Freshman English)
   - Integrative Studies 130 (General Psychology)
   - Life Science 108 and 109 (Anatomy and Physiology I and II)
   - Chemistry 110 (General Chemistry)
   - Psychology 210 (Growth and Development)
   - Life Science 206 (Microbiology)
   - Lower level nursing courses
5. Submit a photocopy of current Ohio R.N. license. (Write the word "copy" over it, not obscuring the name, number or expiration date, and sign the sheet of paper.)
6. Submit two recommendation forms from two individuals who can support application to pursue advanced studies; one from an employer or supervising nurse; and, one from a nursing professor if the applicant has been in school within the past five years. (Recommendations from current Otterbein students are not acceptable.)
7. Request official transcripts from all previous colleges or universities attended (all schools regardless of number of courses taken).
8. Complete a professional resume.
9. To ensure a smooth progression into the M.S.N. program, discuss the application process for full admission into the M.S.N. program with the R.N. to M.S.N. Program Director two quarters prior to completion of the B.S.N. program.

STEP TWO

<u>Progression to Full Admission into the MSN Program:</u>

1. Submit application to the MSN Program to the Graduate Office by the Friday of the first week of last BSN quarter.
2. A minimum cumulative grade point average of 3.0 must be maintained in undergraduate courses.
3. A minimum cumulative grade point average of 3.0 must be maintained in graduate courses.

4. Any student receiving (2) C or lower grades in the required graduate course work will no longer be able to continue in the MSN program.
5. Successful completion of four selected graduate courses (N614, N670, L Sc500, and N699) that apply to BSN requirements.
6. Congruence of goals as documented in a 2-4 page essay (typewritten) in which you describe your professional goals and aspirations, reflections and/or experiences that have shaped those goals, and why these goals and aspirations can be achieved in the Graduate Nursing Program at Otterbein College.
7. Full admission to the MSN program is required before enrolling in any course except the courses specified in #5 above.

Candidates who do not meet all of the admission criteria listed above, but who wish to be considered for admission, must submit a petition requesting special consideration along with their application materials. For example, the inclusion of GRE scores may strengthen the candidate's position, if the applicant does not meet the criteria of a minimum grade point average.

School Nurse: All candidates for the Multi-Age Ohio School Nurse License must hold a license as an RN valid for practice in Ohio. A baccalaureate degree in nursing from an accredited program is also required. See the *Teacher Education Programs* booklet for program details. The written approval of the Chair of the Nursing Department is required before applicants can register for classes or the Student Teaching Practicum.

Program Outcomes

Graduates of the Bachelor of Science in Nursing (B.S.N.) program are prepared as generalists and can care for individuals of all ages, from infants to elderly, and groups such as families and communities. Graduates are employable in a variety of health care agencies that include acute care, extended care, primary care, home care, mental health, and community health settings. The completion of the B.S.N. program qualifies an individual to take the National Council Licensure Examination – Registered Nurse (NCLEX-RN) and to pursue graduate education. The Master of Science in Nursing (M.S.N.) program prepares graduates to assume advanced practice nursing roles in multiple and diverse health care settings. The completion of the M.S.N. program qualifies an individual to pursue doctoral education.

Nursing Courses (NURS)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***NURS* 230 BASIC PHARMACOLOGY** **4 hrs**

Classes will focus on the pharmacodynamics and clinical uses of various classes of drugs in the health care setting, including drugs used for hypertension, infection, cancer, pain and diseases of the cardiac, renal, respiratory, endocrine, gastrointestinal and central nervous system. *Prereq: CHEM 110; L SC 108, 109; admission to nursing program is required.*

NURS 240 NUTRITION THROUGH THE LIFE SPAN **4 hrs**

Study of the chemistry, digestion, absorption and metabolism of carbohydrates, fats and protein. Discusses role of vitamins/minerals within the body. Examines nutritional needs through the life span and the role of nutrition in health maintenance and promotion. *Prereq: CHEM 110, L SC 108 , 109; admission to nursing program is required.*

NURS 260 FOUNDATIONS FOR HEALTH PROMOTION/ MAINTENANCE **7 hrs**

Lecture and Clinical

An introduction to the theoretical foundations of nursing and concepts of health promotion/maintenance, caring, communication and the nursing process. Development of basic health assessment, interviewing and caring skills. *Prereq: CHEM 110; L SC 108, 109; INST 100 or 105 or 110; INST 130; admission to Nursing Program; completion of "Program Requirements for Clinical Courses".*

NURS 270 HEALTH PROMOTION/RESTORATION OF THE ADULT 7 hrs

Lecture and Clinical

An introduction to the concepts of health promotion/restoration for adults. Exploration of other concepts such as culture, spirituality, ethical decision making, and leadership. Application of the nursing process with adult clients experiencing selective health alterations of the protective, nutrition/elimination, sensorimotor, gas transport/exchange, and rest/comfort processes of the body. *Prereq: NURS 260. Concurrent or prereq: NURS 230; completion of "Program Requirements for Clinical Courses".*

NURS 280 HEALTH PROMOTION/RESTORATION OF INDIVIDUALS IN THE CHILDBEARING FAMILY **7 hrs**

Lecture and Clinical

Examination of the health and changing roles of the individual members of the childbearing family. Application of the nursing process with families in all phases of childbearing, including healthy families and families at risk. *Prereq: NURS 230, 260, 270; Concurrent or prereq: PSYC 210; NURS 240; completion of "Program Requirements for Clinical Courses".*

NURS 300 THEORETICAL FOUNDATIONS IN NURSING **3 hrs**

An introduction of the nursing program philosophy and curriculum for R.N. students. Some concepts for study include human caring, theoretical foundations of nursing, the role of the professional nurse, small group process in a peer group setting, teaching/learning process, nursing process, and research (For R.N. students only). *Prereq.: Admission to Nursing Program; L SC 108, 109, 206; CHEM 110; INST 100, 105 or 110, and 130; PSYC 210.*

NURS 335 NURSING RESEARCH **3 hrs**

An introduction to research in nursing. Includes analyzing research in nursing and health related fields. Examination of research methodologies and techniques used in nursing research. Critical analysis of the literature related to a nursing practice problem. *Prereq: 300 level nursing courses; MATH 230 or transfer credit.*

NURS 340 HEALTH MAINTENANCE/RESTORATION OF THE ADULT AND FAMILY — 8 hrs

Lecture and Clinical

Application of the concepts of health promotion, maintenance and restoration to the adult client. Expands on the concepts introduced in earlier clinical courses and provides the opportunity to apply these concepts in a variety of acute care settings with a culturally diverse population. Students will use the nursing process of assessment, planning, implementation and evaluation with adults within the family. *Prereq: 200 level nursing courses; NURS 360, 370, L SC 206, 312, CHEM 220; completion of "Program Requirements for Clinical Courses".*

NURS 351 HEALTH ASSESSMENT/PROMOTION OF THE INDIVIDUAL — 5 hrs

Lecture and Clinical

Development of assessment skills to determine the health of the adult individual. Examination of lifestyles and culture that influence the health of individuals and application of developmental theories across the lifespan. Examination of the role of the nurse in promotion of health of the individual (For R.N. students only). *Concurrent or prereq: NURS 300; completion of "Program Requirements for Clinical Courses".*

NURS 360 PROMOTION/MAINTENANCE/RESTORATION OF THE INDIVIDUAL'S MENTAL HEALTH — 8 hrs

Lecture and Clinical

A study of the concepts of mental health to promote, maintain, and restore the person's mental health individually and within groups. Application of the nursing process, therapeutic communication, caring, nursing research, and leadership/management to individuals experiencing psychological alterations. *Prereq: 200 level nursing courses; L SC 312 concurrently; completion of "Program Requirements for Clinical Courses".*

NURS 370 HEALTH PROMOTION/MAINTENANCE/RESTORATION OF THE CHILD IN THE FAMILY — 8 hrs

Lecture and Clinical

A study of genetic, environmental, developmental and physiological influences affecting the health of children and childrearing families. Emphasis is on the role of the nurse in promotion, maintenance and restoration of health of the child in the family. *Prereq: 200 level nursing courses; NURS 360; L SC 206 and 312; CHEM 220; completion of "Program Requirements for Clinical Courses".*

NURS 390 INDEPENDENT STUDY — 2-5 hrs

The student must negotiate with a faculty member to establish a learning contract prior to registration for this course. The course content is determined by the faculty member and student collaboratively. The course is designed for the student who wishes to study a specific nursing problem intensively. *Prereq: Upper division status; completion of "Program Requirements for Clinical Courses".*

***NURS* 440 ISSUES AND TRENDS IN NURSING AND HEALTH** **3 hrs**

A study of social, economic, cultural, political and educational forces influencing nursing and health care. Consideration of nursing as a caring profession from a historical perspective. Examination of professional, legal, and ethical responsibilities of the nurse and career opportunities available within the profession. *Prereq: 300 level nursing courses or permission of instructor.*

***NURS* 460 COMMUNITY HEALTH CARE DELIVERY** **8 hrs**

Lecture and Clinical

A study of concepts of community health nursing with a focus on health promotion and disease prevention. Development of assessment skills to determine the health of the community. Application of caring, nursing process, research and teaching/learning to minimize the health risks of individuals and families in the community. Cultural influences, chronic health problems, epidemiology, communicable diseases, and environmental issues are studied as they relate to community and family health beliefs and practices. *Prereq: 300 level nursing courses; NURS 470; completion of "Program Requirements for Clinical Courses".*

***NURS* 470 HEALTH MAINTENANCE/RESTORATION OF INDIVIDUALS WITH MULTISYSTEM DYSFUNCTION** **8 hrs**

Lecture and Clinical

Application of caring and the nursing process to clients with multisystem dysfunction in an acute care setting. Analysis of ethical/moral issues associated with advanced technology that affect human dignity. Identification of the interrelationships of physiologic and psychosocial dimensions in clients with complex multisystem dysfunction. *Prereq: 300 level nursing courses; LSC 312; completion of "Program Requirements for Clinical Courses".*

***NURS* 480 NURSING LEADERSHIP IN HEALTH CARE DELIVERY SYSTEMS** **8 hrs**

Lecture and Clinical

Development of management/leadership abilities for nursing practice. Examination of organizational, leadership, management and change theories with application in health care delivery systems. Analysis of social, political, legal and economic variables affecting health care. *Prereq: NURS 460, 470; completion of "Program Requirements for Clinical Courses".*

***NURS* 499 SPECIAL TOPICS IN HEALTH CARE** **1-3 hrs**

Explores an important topical issue related to health care. Focuses on identifying the key components of the issue by examining scientific literature and by reflecting on current health care practice. ***Must be 2 hrs to fulfill nursing elective.*** *Prereq: Upper division status; if clinical-based, completion of "Program Requirements for Clinical Courses".*

PACE

Continuing Studies Advisory Committee

Mission and Programs

Otterbein's interdisciplinary liberal studies majors integrate the skills, knowledge, and values of a broad academic program and apply them to the challenges of the workplace. Continuing Studies students pursuing one of the liberal studies majors learn, integrate, and apply a range of perspectives and decision-making models as they strive to advance their careers. Students learn that success in the workplace and in their personal lives depends on their ability to create and apply solutions based on their thinking across academic disciplines.

PACE (Professional Adult Continuing Education) is a program of seven majors offered to adult (non-traditional) students. The majors lead to a Bachelor of Arts degree with Liberal Studies majors in: Business Administration; Business Psychology; Human Resources Management; Information Management; Leadership and the Liberal Arts; Management and Leadership; and Organizational Communication.

In the **Business Administration** curriculum, students will gain invaluable skills and concepts for the global, dynamic world of business. While studying the functional areas of business administration — accounting, economics, management, marketing, and finance — students will also have the opportunity to take elective courses in international business, operations, human resources management, marketing, quality management, and training.

The interdisciplinary major of **Business Psychology** combines business, psychology, and communication. It prepares students for the next stage of personal and professional development through the study of human relationships, organizational psychology, communication, and the areas of business management, accounting, and economics.

The human resource professional faces the demands of employee development and HR administration. The Liberal Studies major of **Human Resources Management** prepares students for generalist positions in human resources management through a foundation in human resources, business management, and an introduction to communication principles.

The **Information Management** interdisciplinary major prepares students to face the new managerial challenges created by the spread of information systems technology. Against these demands, the purpose of the IM curriculum is to provide foundations in business and technology and a central focus on integrating business and technical applications.

The **Leadership and Liberal Arts** interdisciplinary major offers students the opportunity to engage in the study of art, literature, history, and political science against a formative background in the principles and practices of leadership, and an introduction to communication principles.

The curriculum in the **Management and Leadership** major develops manager-leaders who understand business and who have learned how to engage people in projects or organization-wide initiatives. It provides students with a foundation in business management, leadership, and communication principles.

Organizational Communication is the study of the nature, scope, and function of communication within an organization. This major examines communication among individuals as they work to achieve organizational goals and develop interpersonal networks. As an Organizational Communication major, students can meet the needs of organizations as they face continuing financial and organizational pressures. The Liberal Studies major in Organizational Communication also offers a foundation in accounting, economics, and management.

Program Outcomes

To achieve program outcomes, Liberal Studies majors are exposed to a framework of business, organizational behavior, and strategic management courses; and they gain communication skills necessary to communicate with other players within an organization. As a general outcome, the curriculum develops manager-leaders who understand business, who have learned how to engage people in projects or in organization-wide initiatives, and who can contribute to the corporate mission.

As knowledge workers participating in the service economy, students who complete any one of the majors will apply both disciplinary thinking and interdisciplinary thinking in the workplace. They will have the capacity to:

a) think critically, synthesize, and solve problems, using skill sets and knowledge bases from the range of disciplines included in each of the majors
b) learn how to think and solve problems, using decision-making models attached to particular disciplines
c) connect thinking and decision-making models presented in the required courses

The Liberal Studies majors are designed to prepare students to pursue careers in business consulting, corporate management, sales, marketing, human resources management, information management and to enroll in graduate programs in fields related to the specific majors: business, communication, computer science, or psychology. Professional courses in the ***PACE*** Program are linked to the liberal arts core through an emphasis on the student's preparation in: a) written and oral communication, b) research skills, c) creative problem solving and decision making, d) change management, e) quantitative analysis, f) leadership development, and g) team development.

B.A. degree with a major in Liberal Studies in Business Administration

Prerequisites:

- ❑ If you transfer 75 or more credits to Otterbein: ACCT 200, ECON 210 and MATH 115 are required - 15 hrs; these do not have to be taken in residence; consult your adviser

- ❑ If you transfer 60 to 74 credits to Otterbein: ACCT 200, ECON 210, MATH 115 and one approved INST course are required - 20 hours; these do not have to be taken in residence; consult your adviser
- ❑ If you transfer 0 to 59 credits to Otterbein: ACCT 200, ECON 210, MATH 115, foreign language 100 and 110 and five 100 to 200 level INST courses are required - 50 hrs; these do not have to be taken in residence; consult your adviser

Requirements in the Core Curriculum (45 total hrs):

Integrative Studies **in residence**

- ❑ INST 300 - 5 hrs
- ❑ INST 310 or 320 or 330 - 5 hrs
- ❑ INST 340 or 350 or 360 or 400 or 410 - 10 hrs
- ❑ INST 380 - 5 hrs

Language and Culture **in residence**

- ❑ FREN 105 or GERM 105 or JAPN 105 or SPAN 105 - 5 hrs

Leadership **in residence**

- ❑ COMM 361 - 5 hrs

Mathematics **in residence**

- ❑ MATH 230 - 5 hrs
  - If MATH 230 has been transferred to Otterbein, select MATH 260

Senior Year Experience **in residence**

- ❑ SYE 4XX - 5 hrs (specifics on p. 16)

*Requirements in the major (at least 45 total hrs; **all in residence**):*

- ❑ ACCT 210 - 5 hrs
- ❑ BADM 300 - 5 hrs
- ❑ BADM 310 - 5 hrs
- ❑ BADM 340 - 5 hrs
- ❑ BADM 370 - 5 hrs
- ❑ ECON 220 - 5 hrs
- ❑ BADM Elective Course - 5 hrs
- ❑ BADM Elective Course - 5 hrs
- ❑ BADM Elective Course - 5 hrs
- ❑ 45 total hours **in residence**

- BADM Elective Courses shown above must be selected from an approved list of **in-residence** alternates available in the Office of Continuing Studies.
- When any of the other courses shown above have been taken elsewhere, substitutions must be selected from an approved list of **in-residence** alternates available in the Office of Continuing Studies.

Required total hours for the degree:

- ❑ At least 180 **including 90 in residence**

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Liberal Studies in Business Psychology

Prerequisites:

- ❑ If you transfer 75 or more credits to Otterbein: MATH 115 and one approved INST science course are required - 10 hrs; these do not have to be taken in residence; consult your adviser
- ❑ If you transfer 60 to 74 credits to Otterbein: MATH 115, one approved INST course and one approved INST science course are required - 15 hours; these do not have to be taken in residence; consult your adviser

- ❑ If you transfer 0 to 59 credits to Otterbein: MATH 115, foreign language 100 and 110, five 100 to 200 level INST courses and one approved INST science course are required - 45 hrs; these do not have to be taken in residence; consult your adviser

Requirements in the Core Curriculum (45 total hrs):

Integrative Studies **in residence**
- ❑ INST 290 - 5 hrs
- ❑ INST 300 - 5 hrs
- ❑ INST 310 or 320 or 330 - 5 hrs
- ❑ INST 340 or 350 or 360 or 400 or 410 - 5 hrs
- ❑ INST 380 - 5 hrs

Language and Culture **in residence**
- ❑ FREN 105 or GERM 105 or JAPN 105 or SPAN 105 - 5 hrs

Leadership **in residence**
- ❑ COMM 361 - 5 hrs

Mathematics **in residence**
- ❑ MATH 230 - 5 hrs
- If MATH 230 has been transferred to Otterbein, select PSYC 210 or 211

Senior Year Experience **in residence**
- ❑ SYE 4XX - 5 hrs (specifics on p. 16)

*Requirements in the major (at least 45 total hrs; **all in residence**):*
- ❑ ACCT 290 - 5 hrs
- ❑ BADM 300 - 5 hrs
- ❑ BADM 320 - 5 hrs
- ❑ COMM 180 - 5 hrs
- ❑ COMM 285 or 380 - 5 hrs
- ❑ PSYC 220 - 5 hrs
- ❑ PSYC 225 - 5 hrs
- ❑ PSYC 290 - 5 hrs
- ❑ PSYC 340 - 5 hrs
- ❑ 45 total hours **in residence**

- COMM 285/380 and PSYC 290 shown above must be taken **in residence**/cannot be transferred to Otterbein.
- When remaining courses shown above have been taken elsewhere, substitutions must be selected from an approved list of **in-residence** alternates available in the Office of Continuing Studies

Required total hours for the degree:
- ❑ At least 180 **including 90 in residence**

Application for Degree
- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Liberal Studies in Human Resources Management

Prerequisites:
- ❑ If you transfer 75 or more credits to Otterbein: MATH 115 and one approved INST science course are required - 10 hrs; these do not have to be taken in residence; consult your adviser
- ❑ If you transfer 60 to 74 credits to Otterbein: MATH 115, one approved INST course and one approved INST science course are required - 15 hours; these do not have to be taken in residence; consult your adviser

❑ If you transfer 0 to 59 credits to Otterbein: MATH 115, foreign language 100 and 110, five 100 to 200 level INST courses and one approved INST science course are required - 45 hrs; these do not have to be taken in residence; consult your adviser

Requirements in the Core Curriculum (45 total hrs):

Integrative Studies **in residence**

❑ INST 290 - 5 hrs
❑ INST 300 - 5 hrs
❑ INST 310 or 320 or 330 - 5 hrs
❑ INST 340 or 350 or 360 or 400 or 410 - 5 hrs
❑ INST 380 - 5 hrs

Language and Culture **in residence**

❑ FREN 105 or GERM 105 or JAPN 105 or SPAN 105 - 5 hrs

Leadership **in residence**

❑ COMM 361 - 5 hrs

Mathematics **in residence**

❑ MATH 230 - 5 hrs

- If MATH 230 has been transferred to Otterbein, select MATH 150, BADM 330 or BADM 495.

Senior Year Experience **in residence**

❑ SYE 4XX - 5 hrs (specifics on p. 16)

*Requirements in the major (at least 45 total hrs; **all in residence**):*

❑ ACCT 290 - 5 hrs
❑ BADM 290 - 5 hrs
❑ BADM 300 - 5 hrs
❑ BADM 320 - 5 hrs
❑ BADM 351 - 5 hrs
❑ BADM 352 - 5 hrs
❑ BADM 415 - 5 hrs
❑ COMM 100 or 180 - 5 hrs
❑ COMM 285 - 5 hrs
❑ 45 total hours **in residence**

- BADM 351, 352, 415 and COMM 285 shown above must be taken **in residence**/cannot be transferred to Otterbein.
- When remaining courses shown above have been taken elsewhere, substitutions must be selected from an approved list of **in-residence** alternates available in the Office of Continuing Studies

Required total hours for the degree:

❑ At least 180 **including 90 in residence**

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Liberal Studies in Information Management

Prerequisites:

❑ If you transfer 75 or more credits to Otterbein: ACCT 200, BADM 300, BADM 310, C SC 100, C SC 120, C SC 160 and one INST approved science course are required - 29 hrs; these do not have to be taken in residence; consult your adviser

❑ If you transfer 60 to 74 credits to Otterbein: ACCT 200, BADM 300, BADM 310, C SC 100, C SC 120, C SC 160, one approved INST course and one ap-

proved INST science course are required - 34 hrs; these do not have to be taken in residence; consult your adviser

- ❑ If you transfer 0-59 credits to Otterbein: ACCT 200, BADM 300, BADM 310, C SC 100, C SC 120, C SC 160, foreign language 100 and 110, five 100 to 200 level INST courses and one approved INST science course are required - 74 hrs; these do not have to be taken in residence; consult your adviser

Requirements in the Core Curriculum (45 total hrs):

Integrative Studies **in residence**

- ❑ INST 290 - 5 hrs
- ❑ INST 300 - 5 hrs
- ❑ INST 310 or 320 or 330 - 5 hrs
- ❑ INST 340 or 350 or 360 or 400 or 410 - 5 hrs
- ❑ INST 380 - 5 hrs

Language and Culture **in residence**

- ❑ FREN 105 or GERM 105 or JAPN 105 or SPAN 105 - 5 hrs

Leadership **in residence**

- ❑ COMM 361 - 5 hrs

Mathematics **in residence**

- ❑ MATH 230 - 5 hrs
  - If MATH 230 has been transferred to Otterbein, select MATH 260.

Senior Year Experience **in residence**

- ❑ SYE 4XX - 5 hrs (specifics on p. 16)

*Requirements in the major (at least 45 total hrs; **all in residence**):*

- ❑ ACCT 210 - 5 hrs
- ❑ ACCT 330 - 5 hrs
- ❑ BADM 340 - 5 hrs
- ❑ BADM 360 - 5 hrs
- ❑ BADM 361 - 5 hrs
- ❑ BADM 463 - 5 hrs
- ❑ COMM 280 - 5 hrs
- ❑ C SC 150 - 5 hrs
- ❑ C SC 360 - 5 hrs
- ❑ 45 total hours **in residence**

- BADM 360, 361, 463, COMM 280 and C SC 150, 360 shown above must be taken **in residence**/cannot be transferred to Otterbein.
- When remaining courses shown above have been taken elsewhere, substitutions must be selected from an approved list of **in-residence** alternates available in the Office of Continuing Studies.

Required total hours for the degree:

- ❑ At least 180 **including 90 in residence**

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Liberal Studies in Leadership and the Liberal Arts

Prerequisites:

- ❑ If you transfer 75 or more credits to Otterbein: MATH 115 and one approved INST science course are required - 10 hrs; these do not have to be taken in residence; consult your adviser
- ❑ If you transfer 60 to 74 credits to Otterbein: MATH 115, one approved INST course and one approved INST science course are required - 15 hours; these do not have to be taken in residence; consult your adviser

❑ If you transfer 0 to 59 credits to Otterbein: MATH 115, foreign language 100 and 110, five 100 to 200 level INST courses and one approved INST science course are required - 45 hrs; these do not have to be taken in residence; consult your adviser

Requirements in the Core Curriculum (45 total hrs):

Integrative Studies **in residence**

❑ INST 290 - 5 hrs
❑ INST 300 - 5 hrs
❑ INST 310 or 320 or 330 - 5 hrs
❑ INST 340 or 350 or 360 or 400 or 410 - 5 hrs
❑ INST 380 - 5 hrs

Language and Culture **in residence**

❑ FREN 105 or GERM 105 or JAPN 105 or SPAN 105 - 5 hrs

Leadership **in residence**

❑ COMM 361 - 5 hrs

Mathematics **in residence**

❑ MATH 230 - 5 hrs

• If MATH 230 has been transferred to Otterbein, select MATH 150

Senior Year Experience **in residence**

❑ SYE 4XX - 5 hrs (specifics on p. 16)

*Requirements in the major (at least 45 total hrs; **all in residence**):*

❑ BADM 300 - 5 hrs
❑ COMM 100 - 5 hr
❑ COMM 180 - 5 hrs
❑ COMM 362 - 5 hrs
❑ COMM 363 - 5 hrs
❑ ENGL 300 - 5 hrs
❑ P SC 325 or 440 - 5 hrs
❑ one course from among ART 220, 230, 240 and 260 - 5 hrs
❑ one HIST course at 300/400 level - 5 hrs
❑ 45 total hours **in residence**

- ART 220/230/240/260, COMM 362/363, ENGL 300, P SC 325/440 and HIST 300/400 shown above must be taken **in residence**/cannot be transferred to Otterbein.
- When remaining courses shown above have been taken elsewhere, substitutions must be selected from an approved list of **in-residence** alternates available in the Office of Continuing Studies.

Required total hours for the degree:

❑ At least 180 **including 90 in residence**

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Liberal Studies in Management and Leadership

Prerequisites:

❑ If you transfer 75 or more credits to Otterbein: MATH 115 and one approved INST science course are required - 10 hrs; these do not have to be taken in residence; consult your adviser

❑ If you transfer 60 to 74 credits to Otterbein: MATH 115, one approved INST course and one approved INST science course are required - 15 hours; these do not have to be taken in residence; consult your adviser

- ❑ If you transfer 0 to 59 credits to Otterbein: MATH 115, foreign language 100 and 110, five 100 to 200 level INST courses and one approved INST science course are required - 45 hrs; these do not have to be taken in residence; consult your adviser

Requirements in the Core Curriculum (45 total hrs):

Integrative Studies **in residence**

- ❑ INST 290 - 5 hrs
- ❑ INST 300 - 5 hrs
- ❑ INST 310 or 320 or 330 - 5 hrs
- ❑ INST 340 or 350 or 360 or 400 or 410 - 5 hrs
- ❑ INST 380 - 5 hrs

Language and Culture **in residence**

- ❑ FREN 105 or GERM 105 or JAPN 105 or SPAN 105 - 5 hrs

Leadership **in residence**

- ❑ COMM 361 - 5 hrs

Mathematics **in residence**

- ❑ MATH 230 - 5 hrs
- If MATH 230 has been transferred to Otterbein, select MATH 260 or PSYC 340.

Senior Year Experience **in residence**

- ❑ SYE 4XX - 5 hrs (specifics on p. 16)

*Requirements in the major (at least 45 total hrs; **all in residence**):*

- ❑ ACCT 290 - 5 hrs
- ❑ BADM 290 - 5 hrs
- ❑ BADM 300 - 5 hrs
- ❑ BADM 310 or 370 - 5 hrs
- ❑ BADM 330 or 495 - 5 hrs
- ❑ COMM 100 - 5 hrs
- ❑ COMM 180 - 5 hrs
- ❑ COMM 285 or 380 - 5 hrs
- ❑ COMM 362 - 5 hrs
- ❑ 45 total hours **in residence**

- BADM 330/495, COMM 285/380 and COMM 362 shown above must be taken **in residence**/cannot be transferred to Otterbein.
- When remaining courses shown above have been taken elsewhere, substitutions must be selected from an approved list of **in-residence** alternates available in the Office of Continuing Studies.

Required total hours for the degree:

- ❑ At least 180 **including 90 in residence**

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.A. degree with a major in Liberal Studies in Organizational Communication

Prerequisites:

- ❑ If you transfer 75 or more credits to Otterbein: COMM 100, MATH 115 and one approved INST science course are required - 15 hrs; these do not have to be taken in residence; consult your adviser
- ❑ If you transfer 60 to 74 credits to Otterbein: COMM 100, MATH 115, one approved INST course and one approved INST science course are required - 20 hours; these do not have to be taken in residence; consult your adviser

❑ If you transfer 0 to 59 credits to Otterbein: COMM 100, MATH 115, foreign language 100 and 110, five 100 to 200 level INST courses and one approved INST science course are required - 50 hrs; these do not have to be taken in residence; consult your adviser

Requirements in the Core Curriculum (45 total hrs):

Integrative Studies **in residence**

❑ INST 290 - 5 hrs
❑ INST 300 - 5 hrs
❑ INST 310 or 320 or 330 - 5 hrs
❑ INST 340 or 350 or 360 or 400 or 410 - 5 hrs
❑ INST 380 - 5 hrs

Language and Culture **in residence**

❑ FREN 105 or GERM 105 or JAPN 105 or SPAN 105 - 5 hrs

Leadership **in residence**

❑ COMM 361 - 5 hrs

Mathematics **in residence**

❑ MATH 230 - 5 hrs

• If MATH 230 has been transferred to Otterbein, select BADM 495.

Senior Year Experience **in residence**

❑ SYE 4XX - 5 hrs (specifics on p. 16)

*Requirements in the major (at least 45 total hrs; **all in residence**):*

❑ ACCT 290 - 5 hrs
❑ BADM 300 - 5 hrs
❑ COMM 180 - 5 hrs
❑ COMM 200 - 5 hrs
❑ COMM 285 - 5 hrs
❑ COMM 305 - 5 hrs
❑ COMM 380 - 5 hrs
❑ ENGL 335 - 5 hrs

❑ one course from among BADM 320, 415; COMM 250, 335, 362, 480; PSYC 340; and SOCL 290 - 5 hrs; or take both COMM 498 and 499 - 5 hrs

❑ 45 total hours **in residence**

- COMM 200, 285, 305 and 380 shown above must be taken **in residence**/cannot be transferred to Otterbein.
- When remaining courses shown above have been taken elsewhere, substitutions must be selected from an approved list of **in-residence** alternates available in the Office of Continuing Studies.

Required total hours for the degree:

❑ At least 180 **including 90 in residence**

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

PACE Courses

Courses are listed and described in their respective home department sections. For a list of course prefix translations, see page 28.

PHYSICS AND ASTRONOMY

Robertson (chairperson), Arnold , Trittmann

Mission and Programs

The Department of Physics and Astronomy seeks to provide quality instruction in each of its program areas, in a manner consistent with the mission of the College. In all its endeavors, the Department aims to provide an environment that fosters intellectual growth, and to promote an appreciation for all learning in the liberal arts context.

The **physics major** provides a rigorous grounding in fundamental physics, fosters critical thinking and creative problem solving, and provides broad practical training in science and technology. It is designed to prepare students for advanced study in physics, engineering, or other technical disciplines, for employment in industry, or for teaching at the secondary level. The **physical science major** prepares students for science teaching at the primary and middle school levels.

In addition to the major programs, the Department provides courses that support majors in other science and pre-professional programs, as well as courses in physical science and astronomy for the Integrative Studies program.

B.A. degree with a major in Physics

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - fulfilled by completing the math required in the major
- ❑ Health and Physical EducationLifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 65 total hrs)

- ❑ PHYS 171/141 - 5 hrs
- ❑ PHYS 172/142 - 5 hrs
- ❑ PHYS 173/143 - 5 hrs
- ❑ PHYS 300 - 3 hrs
- ❑ PHYS 305 - 3 hrs
- ❑ PHYS 310 - 3 hrs
- ❑ PHYS 315 - 3 hrs
- ❑ PHYS 320 - 2 hrs
- ❑ PHYS 420 - 2 hrs
- ❑ PHYS 430 - 3 hrs
- ❑ MATH 170 - 5 hrs
- ❑ MATH 180 - 5 hrs
- ❑ MATH 190 - 5 hrs
- ❑ MATH 200 - 5 hrs
- ❑ Additional Physics - 11 hrs of electives at 300/400 level

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.S. degree with a major in Physics

Requirements in the Core Curriculum:

See B.A. degree with a major in Physics. Note difference in foreign language.

Requirements in the major (75 hrs or equivalent):

- ❑ PHYS 171/141 - 5 hrs
- ❑ PHYS 172/142 - 5 hrs
- ❑ PHYS 173/143 - 5 hrs
- ❑ PHYS 300 - 3 hrs
- ❑ PHYS 305 - 3 hrs
- ❑ PHYS 310 - 3 hrs
- ❑ PHYS 315 - 3 hrs
- ❑ PHYS 320 - 2 hrs
- ❑ PHYS 420 - 2 hrs
- ❑ PHYS 430 - 3 hrs
- ❑ MATH 170 - 5 hrs
- ❑ MATH 180 - 5 hrs
- ❑ MATH 190 - 5 hrs
- ❑ MATH 200 - 5 hrs
- ❑ Additional Physics - 16 hrs of electives at 300/400 level
- ❑ Additional Mathematics - 5 hrs of electives at 300/400 level

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

B.S. degree with a major in Physical Science

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 15 hrs (specifics on p. 15)
- ❑ Mathematics - 15 hrs (specifics on p. 15)
- ❑ Physical Education - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (60 total hrs or equivalent)

- ❑ PHYS 171/141 - 5 hrs
- ❑ PHYS 172/142 - 5 hrs
- ❑ PHYS 173/143 - 5 hrs
- ❑ PHYS 320 - 2 hrs
- ❑ PHYS 330 or 340 - 3 hrs
- ❑ PHYS 350 - 4 hrs
- ❑ PHYS 420 - 2 hrs
- ❑ PHYS 430 - 3 hrs
- ❑ CHEM 140/141 - 4 hrs
- ❑ CHEM 150/151 - 4 hrs
- ❑ CHEM 160/161 - 4 hrs
- ❑ CHEM 240/241 - 4 hrs
- ❑ CHEM 250/251 - 4 hrs
- ❑ CHEM 260/261 - 4 hrs
- ❑ CHEM 280 - 5 hrs
- ❑ PHYS electives at 300 level or above - 2 hrs

• Additional courses in Chemistry, Earth Science, Mathematics and Physics are recommended.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Physics

Required (at least 25 total hrs):

- ❑ PHYS 171/141 - 5 hrs
- ❑ PHYS 172/142 - 5 hrs
- ❑ PHYS 173/143 - 5 hrs
- ❑ Remaining hours from any other PHYS courses.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Students planning to pursue graduate study in physics or astronomy should include Physics 435, 440, and 450.

Engineering students should complete Physics 300 or 305, and 350; Mathematics 200, 220, and 350; and Chemistry 140/141, 150/151, 160/161. Computer Science courses are also recommended.

Physical Sciences Teacher Licensure (grades 7 - 12): Requirements for students seeking Physical Science teacher licensure are listed in the Teacher Education Programs handbook available in the Education Department. Requirements for the Life Science major and teacher licensure may differ somewhat, but both must be met to become licensed and the major must be completed to receive a Bachelor's degree. To be recommended for teacher licensure, a student must have a cumulative grade point average of 2.5 or better, have a 2.5 grade point average in the teaching area, be in good standing with the Education Department, have positive recommendations from student teaching, and have successfully passed the appropriate Praxis II exams.

Program Outcome

The Physics major at Otterbein College prepares students interested in the natural sciences for a wide variety of careers, from academic or industrial research and development, to medicine, law or business, by providing training in problem solving and analytical thinking The Physical Science Major prepares students for a career in teaching in grades 7-12. Introductory physics is also taken by students majoring in Chemistry and Life Science who wish to understand the physical principles applied in their own disciplines.

Physics and Astronomy Courses (PHYS)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

PHYS 121 INTRODUCTION TO PHYSICS I **4 hrs**

An introduction to mechanics as a foundation for the rest of the discipline of physics based on a working knowledge of algebra and trigonometry. *Prereq: Placement into and concurrent enrollment in MATH 116 or 120.*

PHYS 122 INTRODUCTION TO PHYSICS II **4 hrs**

A continuation of PHYS 121: Thermodynamics, wave phenomena and electrostatics. *Prereq: A C- or better in PHYS 121 or 171 and MATH 116 or 120.*

***PHYS* 123 INTRODUCTION TO PHYSICS III** **4 hrs**
A continuation of PHYS 122: magnetism, optics, atomic and nuclear physics. *Prereq: A C- or better in PHYS 122 or 172 and MATH 116 or 120.*

***PHYS* 141 PRINCIPLES OF PHYSICS I LABORATORY** **1 hr**
***PHYS* 142 PRINCIPLES OF PHYSICS II LABORATORY** **1 hr**
***PHYS* 143 PRINCIPLES OF PHYSICS III LABORATORY** **1 hr**

***PHYS* 171 PRINCIPLES OF PHYSICS I** **4 hrs**
Lecture and laboratory
An introduction to mechanics as a foundation for the rest of the discipline of physics. With laboratory. *Coreq: MATH 170.*

***PHYS* 172 PRINCIPLES OF PHYSICS II** **4 hrs**
Lecture and laboratory
A continuation of Physics 171: thermodynamics, wave phenomena and electrostatics. With laboratory. *Prereq: A C- or better in PHYS 171/141or permission of the instructor. Coreq: MATH 180.*

***PHYS* 173 PRINCIPLES OF PHYSICS III** **4 hrs**
Lecture and laboratory
A continuation of Physics 172: magnetism, optics, atomic and nuclear physics. With laboratory. *Prereq: A C- or better in PHYS 172/142 or permission of the instructor. Recommended Coreq: MATH 190.*

***PHYS* 210 INTRODUCTION OF PHYSICAL SCIENCE** **5 hrs**
A descriptive introduction to the physical sciences with emphasis on concepts and scientific thought processes developed through a combination of discussion and laboratory experiences. *Prereq: Sophomore standing and a C- or better in MATH 090 if that course is required by placement exam.*

***PHYS* 300 DYNAMICS I** **3 hrs**
Foundation of Newtonian Dynamics: motion of particles in linear and nonlinear systems, angular momentum and the central force problem. With computer modeling. *Prereq: PHYS 173/143 or PHYS 123/143; and MATH 180.*

***PHYS* 305 DYNAMICS II** **3 hrs**
A continuation of Physics 300: rigid body motion, continuum and wave mechanics, chaos. With computer modeling. *Prereq: PHYS 300.*

***PHYS* 310 ELECTROMAGNETICS I** **3 hrs**
An intermediate treatment of electrostatic fields and potentials. *Prereq: PHYS 173/143 or PHYS 123/143; and MATH 180.*

***PHYS* 315 ELECTROMAGNETICS II** **3 hrs**
A continuation of Physics 310: magnetic fields, electromagnetic waves, electrodynamics. *Prereq: PHYS 310.*

***PHYS* 320 EXPERIMENTAL PHYSICS I** **2 hrs**
Selected experiments from all areas of physics with emphasis on independent work in the design of experiments, computer data acquisition and analysis, and report writing. *Prereq: PHYS 173/143 or PHYS 123/143; and MATH 180.*

***PHYS* 330 OPTICS** **3 hrs**
The study of the nature of light based upon the wave and quantum characteristics of electromagnetic radiation. *Prereq: PHYS 173/143 or PHYS 123/143; and MATH 180.*

***PHYS* 340 THERMAL PHYSICS** **3 hrs**
The study of statistical mechanics, thermodynamics, and kinetic theory. *Prereq: PHYS 173/143 or PHYS 123/143; and MATH 180.*

***PHYS* 350 ELECTRONIC CIRCUITS** **4 hrs**
Lecture and laboratory
Introduction to electronic circuits, passive and active circuit elements, and devices such as operational amplifiers and transducers. With laboratory. *Prereq: PHYS 173/143, or PHYS 123/143, or permission of instructor.*

***PHYS* 390 INDEPENDENT STUDY** **2-6 hrs**
Independent study of any physics or physics-related topics, including astronomy, industrial applications, or science education. Limited to no more than six hours cumulative credit. *Prereq: PHYS 173/143, 5 hours of core physics courses required for the major, and approval of a study plan by the department.*

***PHYS* 420 EXPERIMENTAL PHYSICS II** **2 hrs**
A continuation of Physics 320 with more sophisticated experiments and analysis leading to independent student inquiry and research. *Prereq: PHYS 320.*

***PHYS* 430 QUANTUM PHYSICS OF ATOMS, MOLECULES, AND RADIATION I** **3 hrs**
Introduction to quantum mechanics and the Schrödinger equation. Failures of classical mechanics, applications of the Schrödinger equation, atoms, the periodic table. *Prereq: PHYS 173/143 or PHYS 123/143; and MATH 180.*

***PHYS* 435 QUANTUM PHYSICS OF ATOMS, MOLECULES, AND RADIATION II** **3 hrs**
A continuation of PHYS 430. Spin, angular momentum, perturbation theory, molecules, radiation. *Prereq: PHYS 430.*

***PHYS* 440 SUBATOMIC PHYSICS** **3 hrs**
The study of special relativity, nuclear structure and reactions, elementary particles and fundamental processes. *Prereq: PHYS 430.*

***PHYS* 450 CONDENSED MATTER PHYSICS** **3 hrs**

The study of solids, liquids, and macroscopic quantum states of matter (superconductivity and superfluidity). *Prereq: PHYS 340 and 430.*

***PHYS* 480 RESEARCH** **3 hrs**

An opportunity for independent research in experimental and theoretical area of physics of interest to the department. Limited to no more than nine hours cumulative credit. *Prereq: 30 hours of physics courses, and approval of a research plan by the department.*

PSYCHOLOGY

Bennett Murphy (chairperson), Acker, Hatter-Fisher, Kraft, Laurie-Rose, Shpancer

Mission and Programs

The Department of Psychology consists of six full-time faculty members and several part-time faculty. It is the mission of the Department to 1) support the liberal arts mission of Otterbein College, 2) provide students with a solid grounding in the scientific method, 3) develop student proficiency in models and applications of psychology, 4) develop student critical thinking, empirical skills, and tolerance for complexity, 5) promote an appreciation for diversity and individual differences, 6) encourage a deeper and more nuanced understanding of world, culture, and self, and 7) support life-long learning. To these ends, we seek to prepare students for graduate education and careers in psychology and related fields.

The psychology program provides numerous opportunities for students to participate directly in research, in areas such as social psychology, child development, perceptual and cognitive processes, stress management, cultural influences, psychotherapy, assessment, media psychology, memory, and aging. Students may also choose from a variety of independent studies and internships.

The department sponsors both a major and a minor in psychology and offers one of the freshman year social science options in Integrative Studies.

B.A. or B.S. degree with a major in Psychology

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (55 hrs or equivalent):

- ❑ PSYC 100 - 5 hrs
- ❑ PSYC 260 - 5 hrs
- ❑ MATH 230 - 5 hrs
- ❑ one course in **Basic Change Processes** from among PSYC 210, 211 and 230 - 5 hrs
- ❑ one course in **Personality, Social and Abnormal** from among PSYC 220, 225 and 330 - 5 hrs
- ❑ one course in **Biological and Cognitive Bases** from among PSYC 250, 305, 310 and 380 - 5 hrs
- ❑ one course in **Epistemology** from among PSYC 275, 370 and 375 - 5 hrs
- ❑ Remaining hours from any other PSYC courses except 290, 390, 440, and 490 with at least 15 at 300/400 level. PSYC hours must total at least 50.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Psychology

Required (at least 25 total hrs):

- ❑ PSYC 100 - 5 hrs
- ❑ Remaining hours from any other PSYC courses except 290, 390, 440, and 490.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Program Outcome

In general, the psychology program prepares its graduates for the next stage in their intellectual and professional development. The program provides preparation for graduate school, other advanced professional education, and employment in psychology or related fields.

Psychology Courses (PSYC)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

PSYC 100 GENERAL PSYCHOLOGY **5 hrs**

Lecture and Laboratory

A survey of the field of psychology, examining the biological, cognitive, and social bases of human thought, emotion, and action. Topics include research methods, neuropsychology, perception, learning and memory, language, consciousness, theories of personality, social interactions, cultural influences, abnormal behavior, and psychotherapy. An emphasis will be placed on the scientific study of psychological phenomena and the application of research findings to people's lives. *Laboratory participation is required.*

PSYC 210 CHILD DEVELOPMENT **5 hrs**

A study of how humans develop physically, emotionally and cognitively. Prenatal development, birth, infancy, childhood and adolescence are the periods covered. Some topics included are attachment, language, sex-roles, and social and personality development. *Prereq: PSYC 100 or sophomore standing or permission of instructor.*

PSYC 211 ADULT DEVELOPMENT **5 hrs**

This course examines development from adolescence to death. Using a transdisciplinary, topical approach students examine biological processes of aging, physical health, models of ageism, social relationships and intimacy, the role of work and leisure, gender, ethnicity, economic issues, death and dying, and social policies for the aging. The primary goal of the course is mastery of the methodologies and theoretical models describing and explaining change and continuity. *Prereq: PSYC 100 or permission of instructor.*

PSYC 220 PSYCHOLOGY OF PERSONALITY **5 hrs**

The major personality theories (developed by Freud, Jung, Adler, Horney, Kelly, Rogers, etc.) are examined with regard to the structure, dynamics and development of personality using research and clinical evidence. *Prereq: PSYC 100 or permission of instructor.*

***PSYC* 225 SOCIAL PSYCHOLOGY** **5 hrs**

This course focuses on factors that affect human interactions. Major topics covered are attitude formation and assessment, persuasion, interpersonal attraction, sexuality, aggression, prejudice, and conformity. *Prereq: PSYC 100 or permission of instructor.*

***PSYC* 230 PSYCHOLOGY OF LEARNING** **5 hrs**

Using examples drawn from both human and animal research, this course examines the changes in thought and behavior that result from experience, including conditioning phenomena, basic memory processes, motivation, and more complex functions such as language acquisition, reading, and problem solving. *Prereq: PSYC 100 or permission of instructor.*

***PSYC* 250 PHYSIOLOGICAL PSYCHOLOGY** **5 hrs**

An introduction to the physiological basis of psychological experience. The course covers 1) neuroanatomy and neurophysiology, with selected topics in brain chemistry and psychopharmacology, 2) neuroregulatory systems, motivation, and emotion, and 3) foundations of learning and memory. *Prereq: PSYC 100 or permission of instructor.*

***PSYC* 260 EXPERIMENTAL PSYCHOLOGY** **5 hrs**

Lecture and Laboratory

Basic introduction to issues and problems in experimental design and inference in psychological research. An applied component is participation in laboratory experience and research. *Prereq: PSYC 210 or 230 , MATH 230 and minimum of sophomore standing.*

***PSYC* 275 MULTICULTURAL PSYCHOLOGY** **5 hrs**

This course introduces students in psychology and related disciplines to multiculturalism. The course will use the experiences of specific co-cultural groups such as African Americans, Asian Americans, Hispanic Americans, and Native Americans to study cultural pluralism in the United States. The history, cultural attitudes, beliefs, and worldviews of these groups will be studied, highlighting similarities, differences, and experiences in the United States. Topics include ethnic identity development, acculturation, assimilation, and institutional racism. Essential to the course is an examination of theoretical and empirical work addressing the psychological consequences of living in a culture with the principles, ideals, and values nested in a Western worldview. *Prereq: PSYC 100 or permission of instructor.*

***PSYC* 290 CRITICAL THOUGHT AND ANALYSIS** **5 hrs**

This course examines how to analyze and interpret complex information from the world, with a focus on the logic and methods of research psychology. Topics include: biases in human judgment, decision analysis, research ethics, representation of data, measurement of human traits, hypothesis testing, descriptive and inferential statistics, and experimental design. In general, the course covers strategies that research psychologists employ to ask and answer important questions about human beings. This course is designed for students majoring in Liberal Studies in Business Psychology only, and a special emphasis will be placed on the complexities encountered by psychologists in the business world. *Prereq: One 200-level PSYC course and MATH 230.*

***PSYC* 300 SEMINAR** **5 hrs**
This course presents established areas in research psychology that have produced significant findings in the past decade, especially in the areas of Cognitive, Perceptual, Physiological, Social, Developmental, Health, and Environmental Psychology. The course will present research areas that have changed because of increased research activity in the field. A different research area may be considered each time the course is offered, and the course will be appropriately subtitled to describe the current focus. *Seminars* will include lecture, discussion, and student presentations and will be taught at the junior-level, taking advantage of the student's prior course work while further preparing these students for research as seniors. The course may be repeated once for a total of ten credits. *Prereq: PSYC 260 and permission of the instructor.*

***PSYC* 305 PSYCHOLOGY OF PERCEPTION** **5 hrs**
An introduction to the sensory and perceptual bases of psychological experience. The course will include: 1) physiological underpinnings of the visual, auditory, and chemical senses, 2) psychological factors influencing the perception of depth, form, and movement, and 3) current theories and research in color, form, and illusions. *Prereq: PSYC 260 or permission of instructor.*

***PSYC* 310 COGNITIVE PSYCHOLOGY** **5 hrs**
Using a research-based approach, this course examines how information is stored, processed, accessed and utilized. Some of the topics covered are attention, memory, knowledge representation, language, decision making, and creativity. *Prereq: PSYC 260 or permission of instructor.*

***PSYC* 325 HUMAN SEXUALITY** **5 hrs**
An exploration of human sexuality in the context of both the empirical research literature and students' personal experiences and value systems. The course emphasizes psychological aspects of sexual behavior pertaining to individual decision-making, interpersonal communication, and subjective experience. The course provides a supportive environment for understanding issues of sexuality and an opportunity to ground this understanding in terms of existing theories and data.

***PSYC* 330 ABNORMAL PSYCHOLOGY** **5 hrs**
The investigation of disordered behaviors, deficiencies in behavior capacities and disordered personalities. The conceptual framework is based on an integration of relevant biological, psychological and sociological data. *Prereq: PSYC 210 and 220, or permission of instructor.*

***PSYC* 340 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY** **5 hrs**
An introduction to psychology applied to industrial and organizational settings. Some of the topics covered are personnel assessment, work motivation, employee attitude assessment, stress in the workplace, and performance appraisal. *Prereq: PSYC 100 or permission of instructor.*

***PSYC* 350 PSYCHOLOGICAL ASSESSMENT: BASIC CONCEPTS AND TESTS OF ABILITY** **5 hrs**
Theoretical basis for the testing field in general; principles and technical skills necessary for developing, administering and scoring of tests and measurements; supervised testing experiences with tests used frequently by professionals to assess general and specific abilities. *Prereq: PSYC 100, PSYC 220 and MATH 230, or permission of instructor.*

***PSYC* 360 PSYCHOLOGICAL ASSESSMENT: PERSONALITY** **5 hrs**
Basic concepts of assessment as they relate to the study of personality and behavior. Detailed exploration and supervised experience with personality assessment instruments. *Prereq: PSYC 350 or equivalent experience.*

***PSYC* 370 HISTORY AND SYSTEMS IN PSYCHOLOGY** **5 hrs**
This course will focus on the history of psychology along with the major themes and movements that have emerged and influenced the development of psychology. Some of the major themes to be covered are structuralism, functionalism, experimental positivism, behaviorism, psychoanalysis, humanism, Gestalt and cognitive psychology. *Prereq: PSYC 100 and 260, or permission of instructor.*

***PSYC* 375 PSYCHOLOGY OF WOMEN** **5 hrs**
This course introduces students to the scientific study of the psychology of women. Special effort will be made to examine women's development within a multicultural context and to consider the interaction of gender, race, and SES. Students will explore issues related to gender stereotypes, gender differences, gender roles, women's health, sexuality, language, victimization, mental health, abilities, and achievment. Mastery is expected of current research and theoretical models that attempt to explain women's strengths and challenges. The course will be taught as an interactive seminar. *Prereq: PSYC 100 or permission of instructor.*

***PSYC* 380 HUMAN STRESS** **5 hrs**
This course will explore the major stressors of modern society and the psychophysiological nature of the stress response. The course will examine the relationship between stress and illness, identify the personal characteristics that predispose one to stress and examine the major stress symptoms. Additionally, students learn stress reduction techniques and the basic biofeedback modalities. *Prereq: PSYC 250 or permission of instructor.*

***PSYC* 390 INDEPENDENT STUDY** **1-5 hrs**
Course designed to provide opportunity to engage in independent study in areas not otherwise available. *Prereq: Four psychology courses and faculty member willing to supervise.*

***PSYC* 405 DEVELOPMENTAL PSYCHOPATHOLOGY** **5 hrs**
This course addresses what happens when development goes awry. The course examines patterns of abnormal development, including developmental delays and behavioral, learning, and emotional problems in childhood and adolescence. Through the examination of theoretical models, hypothesized causes, symptom configuration, and common treatment or interventions, this course introduces students to the myriad of ways in which development can be adversely affected and/or corrected. Models of risk and resiliency will be explored to address the variety of outcomes observed in children who are at high risk for developmental problems. The nature/nurture debate is confronted as students explore multifactorial, dynamic, and systemic models of child development and developmental psychopathology. *Prereq: PSYC 210.*

***PSYC* 410 ADVANCED RESEARCH** **5 hrs**
A focused experience in one research area of psychology. Intended for the prospective psychology graduate student, this course will provide experience in all aspects of research, including expertise in the relevant literature, research design, data analysis, and writing for publication. *Prereq: PSYC 260 and permission of instructor.*

***PSYC* 415 PEDIATRIC PSYCHOLOGY** **5 hrs**

As a specialized area of child psychology, pediatric psychology addresses health, wellness, and adaptation to illness among children and adolescents, integrating pediatric medicine and child psychology. It examines all aspects of a child's interaction with medical settings and personnel. Focusing on several different disease processes in detail, the course explores the relationship between mind and body in children, factors that improve or diminish psychological adjustment to illness, and medical and psychological interventions to promote well-being. The seminar style is designed for upper level students. *Prereq: PSYC 100 and PSYC 210, or permission of the instructor.*

***PSYC* 420 PSYCHOTHERAPY I** **5 hrs**

The study of major theories of counseling and psychotherapy; experience in specific procedures and techniques including practice interviews, observations, role-playing, and encounter group experiences. The personal growth of the student is emphasized. *Prereq: PSYC 210, 220, and 330, or permission of instructor.*

***PSYC* 421 PSYCHOTHERAPY II** **5 hrs**

A continuation of Psychology 420. *Prereq: PSYC 420.*

***PSYC* 440 PSYCHOLOGY AS A PROFESSION** **1 hr**

This course is intended to inform psychology majors about careers in psychology and the graduate school application process. The course presents a variety of experiences and perspectives from professionals in the field of psychology, Otterbein Alumni, and Otterbein faculty. Students will gain useful information about the process of searching for a job and applying to graduate school, including how to research graduate school and career options, how to choose the right program, and how to maximize post-graduation success. Students will learn how to prepare a resume, build marketable skills and experiences, and identify job opportunities. Finally, students will become familiar with sub-disciplines within psychology. Recommended for juniors.

***PSYC* 490 INTERNSHIP** **1-15 hrs**

Supervised experience in a cooperating agency or institution. Particular internships are designed with regard to the skills of the student and depend on the willingness of a faculty member to work with and supervise qualified and highly motivated students toward such placements. *Prereq: Junior or senior status and appropriate course prerequisites.*

RELIGION AND PHILOSOPHY

Zimmerman (chairperson), Jackson, Laughlin, Mills. (a fifth person will be added Spring, 2005)

Mission and Programs

The Department of Religion and Philosophy is composed of five full-time faculty and three part-time faculty members. The mission of the Religion and Philosophy Department is to uphold the college's historical and continuing commitment to the liberal arts education by developing our students' competencies in the academic study of religion and philosophy. Those competencies include: (1) knowledge of fundamental texts, together with the historical development and key figures of religious and philosophical traditions; (2) the ability to read, reflect on, and to analyze pertinent texts, history, and traditions in a critical manner; and (3) an appreciation of and respect toward the rich diversity of religious and philosophical perspectives and practices in the world.

The department offers majors and minors in both Religion and Philosophy. Faculty also teach multiple sections of the sophomore INST courses in religion and philosophy, an upper-division INST course in world religions, and the SYE Program.

B.A. degree with a major in Religion

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p.16)

Requirements in the major (at least 45 total hrs):

- ❑ RELG 100 - 5 hrs
- ❑ RELG 140 - 5 hrs
- ❑ RELG 150 - 5 hrs
- ❑ RELG 340 - 5 hrs
- ❑ RELG 400 - 5 hrs
- ❑ PHIL 260 - 5 hrs
- ❑ remaining hours to reach 45 from among other RELG courses with at least 5 hrs at 300/400 level.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Religion

Required (at least 25 total hrs):

- ❑ RELG 100 - 5 hrs

❑ Remaining hours from among any other RELG courses.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

B.A. degree with a major in Philosophy

Requirements in the Core Curriculum:

❑ Integrative Studies - 50 hrs (specifics on p. 13)

❑ Foreign Language - 10 hrs (specifics on p. 15)

❑ Mathematics - 5 hrs (specifics on p. 15)

❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)

❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 45 total hours):

Core Studies (take all of these):

❑ PHIL 270 – 5 hrs

❑ PHIL 300 – 5 hrs

❑ PHIL 310 – 5 hrs

❑ PHIL 400 – 5 hrs

Value Theory (choose at least one):

❑ PHIL 280 – 5 hrs

❑ PHIL 320 – 5 hrs

Metaphysics and Epistemology (choose at least one):

❑ PHIL 330 – 5 hrs

❑ PHIL 340 – 5 hrs

A total of at least 45 hours of PHIL with no more than 10 hours at 100 level.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Philosophy

Required (at least 25 total hours):

❑ PHIL 300 - 5 hrs ❑ PHIL 310 - 5 hrs

❑ Remaining hours from among any other PHIL courses with no more than 10 hours at the 100 level.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Program Outcomes

The program in **Religion** prepares students to apply for professional ministerial study at the seminary level or graduate study in religion and/or theology, as well as in a variety of humanities disciplines.

The program in **Philosophy** prepares students to apply to graduate study in Philosophy, as well as a variety of professional areas, including law and political science.

Religion Courses (RELG)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

RELG 100 INTRODUCTION TO RELIGION **5 hrs**
An academic study of the nature, history, beliefs, concepts and practices of religion. Particular attention is given to religious experience and language, prehistoric and contemporary tribal religions, and personal faith development.

RELG 140 INTRODUCTION TO JUDAISM AND THE HEBREW BIBLE (OLD TESTAMENT) **5 hrs**
An introductory study of ancient and modern Judaism. Attention is given to the key texts and basic theological concepts of the Hebrew Bible/Old Testament.

RELG 150 INTRODUCTION TO THE NEW TESTAMENT **5 hrs**
An introductory study of the major theological insights of the New Testament. The focus will be on the streams of apostolic tradition that influenced the writers of these works, the communities in which they lived, and the issues that were addressed.

RELG 210 HISTORY OF CHRISTIANITY **5 hrs**
A survey of the rise, growth and expansion of Christianity from its primitive period through the Reformation. The course examines important institutional events and issues, as well as key ideas of important theological figures in each era.

RELG 220 RELIGION IN AMERICA **5 hrs**
The history of religion in America from pre-Columbian Native American to contemporary manifestations, with a focus on the development of the various Christian denominations.

RELG 230 THE LIFE AND TEACHINGS OF JESUS **5 hrs**
A study of the ancient communities of faith that describe the earthly life of Jesus. This course seeks to identify the raw materials that the Gospel writers used in their stories and to investigate both the social context and the political history that are reflected in each Gospel.

RELG 240 RELIGION IN POPULAR LITERATURE AND FILM **3 hrs**
An examination of the relationship between religion and contemporary culture as reflected in modern art, music, dance, literature, science, drama, cinema, television, cults and the occult. *Course offered upon sufficient demand.*

RELG 270 WOMEN AND RELIGION **5 hrs**
This course explores the roles that women have played and continue to play in the religions of the world. Major texts will be examined in an attempt to recover the lost voices of the great religious traditions: Jewish, Christian, Muslim, Hindu, Buddhist, pagan, and ancient.

***RELG* 290 NATIVE AMERICAN RELIGIONS** **5 hrs**
A survey of the recorded world views, spiritual practices, and mythologies of Native American Indians. The course explicitly accepts that many ceremonies and traditions are not meant to be shared with the public and respects that fact. It also details the devastating results on Native peoples and their cultures of European contact and is designed to sensitize students to the political and religious issues facing Native Americans in the present day.

***RELG* 300 CONTEMPORARY RELIGIOUS THOUGHT** **5 hrs**
A study of contemporary religious thought focusing on authors whose writings are influencing present-day spirituality and consciousness. Content may vary from year to year. Some background in biblical studies and philosophy is recommended.

***RELG* 310 PAUL AND HIS LETTERS** **5 hrs**
Paul, as a man and a theologian, dominates the New Testament and was a major force in the development of Christian thought as we know it. This course will emphasize how to understand each letter in its original context and situation, and will examine the process by which these letters made their way into the Bible.

***RELG* 340 BUDDHISM AND ZEN** **5 hrs**
An introductory study of one of the major religious and philosophical traditions of the East, Buddhism, with special attention to its meditative Japanese sect, Zen. Attention also is given to origins, tenets, cultural contexts and popular expressions of both religions, as well as to historical and formal connections to other world religions.

***RELG* 350 THE MUSLIM FAITH AND THE NATION OF ISLAM** **5 hrs**
This course examines the religion of Islam, the fastest growing religion in the world. Islam's key scriptures, beliefs, practices and history are examined, with special attention to the role that this faith has played among 20th century African-Americans.

***RELG* 360 GENDER AND SEX IN THE WORLD'S MYTHOLOGY** **5 hrs**
This course examines with a consciousness of gender and with an acute awareness of multiple cultures the international myths, goddesses, gods, heroes and heroines that make up our mythological heritage. Focus is on the feminine.

***RELG* 390 INDEPENDENT STUDY** **1-5 hrs**
Independent study. Open to majors in religion and philosophy; by initiative of student and agreement of instructor.

***RELG* 400 SEMINAR IN RELIGION** **5 hrs**
A course designed chiefly for majors, though others may register for it. The course is intended to guide students in discussion and independent research in areas of religious thought. Permission of the instructor is required.

***RELG* 490 INTERNSHIP** **1-15 hrs**
A supervised program in a local church or other institutional setting designed to supply the student with experiences and information useful in formulating vocational directions and goals. *Departmental permission required.*

Philosophy Courses (PHIL)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

PHIL 100 INTRODUCTION TO PHILOSOPHY **5 hrs**
Examination and development of one's own world view with emphasis on such shared concerns as the existence of God, the search for meaning, the possibilities of freedom, and the nature of morality.

PHIL 120 EFFECTIVE THINKING **5 hrs**
Designed to develop the student's ability to reason clearly, to distinguish between good and bad arguments, and to use intelligence and logic in situations often clouded by emotion.

PHIL 130 ETHICS **5 hrs**
An introduction to the thought of influential moral philosophers, an examination of contemporary moral issues, and a critical evaluation of contemporary moral thinking.

PHIL 200/300 GREEK PHILOSOPHY **5 hrs/5 hrs**
An examination of the emergence of philosophy from the poetic tradition (Homer & Hesiod) and the development of ideas, theories, and arguments from the sixth century BCE to the 4th century CE, about the nature of reality, the nature, sources, and possibility of knowledge, the nature and sources of morality, the nature and identity of the human self, the nature of the relation between the individual and the State, the nature of justice, and the relation between human nature (and its place in reality) and the Good (or fulfilled) Life. (Philosophy Majors and Minors ***must*** take PHIL 300.)

PHIL 210/310 EARLY MODERN PHILOSOPHY **5 hrs/5 hrs**
An examination and interpretation of the emergence and development of modern philosophy, in the 17th and 18th centuries, as the quest for certainty concerning moral, political, and religious truths in the context of the rise of the physical sciences (especially physics and astronomy), which seem to offer no hope of arriving at any such truths, let alone certainty about them. Ideas whose development will be traced: modern Cosmography, the nature of causality, the distinction between Primary and Secondary Qualities, the nature of space and time, the nature of explanation, the nature of scientific method, the nature and explanation of motion, God's relation to the physical world, the relation between mental and the physical, the place of humans in the world of science, how knowledge of the physical world is possible, whether knowledge of anything other than the physical world is possible, and the nature, sources, and reality of values. (Philosophy Majors and Minors ***must*** take PHIL 310.)

PHIL 220/320: EXISTENTIALISM **5 hrs/5 hrs**
This course is an introduction to Existentialism, a philosophical worldview that flourished in Europe in the middle of the 20th Century, but which has roots in the 19th Century, and which is still an important philosophical, artistic, and literary outlook. The course will begin with an examination of the roots of Existentialism in the work

of Kierkegaard and Nietzsche (and others), and move to its flowering in the 20th Century in the works of Sartre, Heidegger, Camus, and others. The readings will be drawn both from philosophical texts as well as from novels, short stories and plays. Themes to be addressed include: existentialist phenomenology, the rejection of human nature, existentialist approaches to God and religion, existentialist freedom, as well as existentialist ethics. *(Philosophy majors and minors must take PHIL 320. Course offered every other year.)*

***PHIL* 260 PHILOSOPHY OF RELIGION** **5 hrs**

An examination of the traditional (theistic) conception of God, from the perspective of possible responses to four strategies that have been used to reject this idea. Focus is upon the following issues: the meaningfulness of religious language, the analysis of the idea of God and whether it is coherent, reasons for thinking God does exist, reasons for thinking God does not exist, the nature and limits of faith, and the significance of religious experiences.

***PHIL* 270 SYMBOLIC LOGIC** **5 hrs**

An introduction to symbolic logic that includes propositional logic and first order predicate calculus with multiple quantifiers and the identity function. Emphasis will be on constructing derivations, with some focus on translating arguments from ordinary English into symbolic notation. *Course offered upon sufficient demand.*

***PHIL* 280 ENVIRONMENTAL PHILOSOPHY** **5 hrs**

Environmental Philosophy is perhaps the most exciting new area of applied philosophy. Certainly issues in environmental ethics are becoming ever-more pressing as contemporary society confronts its environmental problems. This course will investigate philosophical views on the value of nature, the moral status of animals, our responsibilities to preserve species and natural objects (like trees), and our obligations to future generations. Among other topics that may be discussed include population explosion, world hunger, pollution, economics and the environment, and energy and global justice. PHIL 280 meets the Humanities requirement for Environmental Studies minors. (*Course offered every other year.*)

***PHIL* 330 KNOWLEDGE AND REALITY** **5 hrs**

This course is an introduction to metaphysics and epistemology. The course is centered not on particular philosophers from history, but rather on various key issues in metaphysics and epistemology. Topics in metaphysics to be discussed may include Platonism and nominalism, the ontological status of numbers, identity, free will, modality, and cosmology. In the epistemology section of the course we will cover such questions as the nature and possibility of knowledge, the various kinds of knowledge, the reliability of perception, memory, and testimony, and the nature of justification. Competence and familiarity with these issues is essential for a well-rounded philosophical education. (*Course offered every other year.*)

***PHIL* 340 PHILOSOPHY OF LANGUAGE AND MIND** **5 hrs**

This is an introduction to the philosophies of language and mind. Among the questions we will consider in the philosophy of language are these: What is the nature of

a human language? How are we able to use language to talk about the world around us? What accounts for the meaningfulness of language? How does communication work? When it comes to the philosophy of mind, we shall think about the following questions: What is the relationship between minds and bodies? Can an adequate account of the mind be given in completely physicalist, or materialist, terms? What is the nature of the emotions? What are the distinctive features of a mind? Is artificial intelligence possible? Do other creatures besides humans have minds? What is the nature of consciousness? Connections will be evident between the subject matter of this class and psychology, cognitive science, computer science, and linguistics. (*Course offered every other year.*)

***PHIL* 390 INDEPENDENT STUDY** **1-5 hrs**

Independent study. Opportunity for work in topics of special interest; by initiative of student and agreement of instructor. Intended to guide students in discussion and independent research in areas of philosophical thought.

***PHIL* 400 SEMINAR IN PHILOSOPHY** **5 hrs**

A course designed chiefly for majors, though others may register for it. The course is intended to guide students in discussion and independent research in areas of philosophical thought. *Permission of the instructor is required.*

***PHIL* 490 INTERNSHIP** **1-15 hrs**

Departmental permission required.

R.O.T.C.

Qualified Otterbein students interested in obtaining an officer's commission in the United States Air Force or Army may enroll in ROTC classes through cooperative agreements with nearby institutions The Ohio State University and Capital University. Air Force classes are held at Ohio State and Army classes are held at Capital. Training consists of a combination of classroom and outdoor instruction. Freshman and sophomore students may enroll in the four-year program consisting of the two-year general military course and the two-year professional officer course. There is no military obligation for students in the first two years of the program.

ROTC credits from Capital and Ohio State are automatically included in the Otterbein transcript record and will be applied toward the total number of hours required for an undergraduate degree. These credits are considered general electives and may not be substituted for any specific Otterbein courses including those in the core curriculum, major, minor, etc.

For additional information, contact The Ohio State University Air Force ROTC at 614-292-5441 (or by visiting www.osu.edu/afrotc) or Capital University Army ROTC at 614-236-6449. Once enrollment is confirmed to you by Ohio State or Capital ROTC, come to the Otterbein Registrar's Office to add the courses to your schedule. For ROTC scholarships, refer to the financial aid section of this catalog.

Air Force Aerospace Studies Courses (AIRS)

AIRS 101 INTRODUCTION TO AIR FORCE ROTC AND AIR FORCE HERITAGE **1 hr**

Introduction to the Air Force including Air Force organization, benefits, military customs and courtesies, dress and appearance, and communication skills.

AIRS 102 FOUNDATIONS OF OFFICERSHIP **1 hr**

Exploration of Air Force officership as a profession, core values and the oath of office.

AIRS 103 AIR FORCE TEAM BUILDING AND COMMUNICATION SKILLS **1 hr**

Practical applications of interpersonal communications and team building skills.

AIRS 201 EVOLUTION OF USAF AIR AND SPACE POWER FROM INCEPTION THROUGH WORLD WAR II **1 hr**

Issues of leadership, technological advances, and air power theory.

AIRS 202 EVOLUTION OF USAF AIR AND SPACE POWER FROM 1940 TO 1970 **1 hr**

The role of U.S. air power from 1947 through the initial Cold War years and the Vietnam War.

AIRS 203 EVOLUTION OF USAF AIR AND SPACE POWER FROM 1970 THROUGH 2025 **1 hr**

The role of air power during the post-Vietnam era through 2025 with emphasis on regional conflicts and growing technological sophistication.

AIRS 301 AIR FORCE LEADERSHIP AUTHORITY AND RESPONSIBILITY **3 hrs**

Roles and responsibilities of Air Force officers. Topics include training philosophy, conflict management, problem solving, counseling techniques and oral communications.

AIRS 302 LEADERSHIP AND ACCOUNTABILITY **3 hrs**

Leadership concepts and case studies, including corrective supervision, team building, motivation and situational leadership. *Prereq: AIRS 301 or permission of instructor.*

AIRS 303 OFFICER DEVELOPMENT AND PROFESSIONALISM **3 hrs**

Officer as a professional, topics include professional relationships, core values, dynamic followership, and military ethics. *Prereq: AIRS 302 or permission of instructor.*

AIRS 401 NATIONAL SECURITY AND STRATEGY-MAKING PROCESS **3 hrs**

The roles of the Executive branch, Congress and military in the national security process; exploration of the organization and role of the Air Force. *Prereq: AIRS 303 or permission of instructor.*

AIRS 402 JOINT MILITARY OPERATIONS AND AREA STUDIES **3 hrs**

A study of U.S. interests in regions around the world. *Prereq: AIRS 401 or permission of instructor.*

AIRS 403 PREPARATION FOR ACTIVE DUTY **3 hrs**

Preparation for active duty as an Air Force officer. *Prereq: AIRS 402 or permission of instructor.*

Army Military Science Courses (MILS)

MILS 111 FOUNDATIONS OF OFFICERSHIP **3 hrs**

This course is designed to make your first peer group at college one committed to performing well and enjoying the experience. Increase self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, land navigation, first aid, making presentations and basic marksmanship. Learn fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. One hour and a required leadership lab per week plus optional participation in a one-hour session for physical fitness.

MILS 112 BASIC LEADERSHIP **3 hrs**

This course builds on MILS 111. Learn/apply principles of effective leading. Reinforce self-confidence through participation in physically and mentally challenging exercises

with upper division Army ROTC students. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. One hour and a required leadership lab per week plus optional participation in a one-hour session for physical fitness.

***MILS* 211 INDIVIDUAL LEADERSHIP STUDIES** **4.5 hrs**

This course is a survey of U.S. military history from the end of World War I to the present. It defines national security, outlines the current U.S. national security structure, and emphasizes the impact of World War II on the development of national security policies and the etasblishment of today's world order. Other topics include an overview of military leadership and the principles of leadership. Two hours and a required leadership lab per week plus optional participation in a one-hour session for physical fitness.

***MILS* 212 LEADERSHIP AND TEAMWORK** **4.5 hrs**

This course is a survey of military history from colonial America until the end of World War I. It introduces the development of tactics and strategy in American military history through the use of selected campaigns and battles from the period. Two hours and a required leadership lab per week plus an optional participation in a one-hour session for physical fitness.

***MILS* 311 LEADERSHIP AND PROBLEM SOLVING** **4.5 hrs**

This course is designed in a series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small unit tactics and opportunities to plan and conduct training for basic course students both to develop such skills and as vehicles for practicing leading. Three hours and a required leadership lab plus three required one-hour sessions for physical fitness. *Prereq: MILS 111/112/211/212 or credit for Army ROTC Leaders Training Course.*

***MILS* 312 LEADERSHIP AND ETHICS** **4.5 hrs**

This course is designed to continue the methodology of MILS 311. Analyze tasks; prepare written or oral orders for team members to accomplish tasks. Delegate tasks and supervise. Plan for and adapt to the unexpected in organization under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical decision making in setting a positive environment that enhances team performance. Three hours and a required leadership lab per week plus three required one-hour sessions for physical fitness. *Prereq: MILS 111/112/ 211/212/311 or credit for Army ROTC Leaders Training Course.*

***MILS* 411 LEADERSHIP AND MANAGEMENT** **4.5 hrs**

Plan, conduct and evaluate activities of the ROTC cadet organization. Articulate goals and put plans into action to attain them. Assess organizational cohesion and develop strategies to improve it. Develop confidence in skills to lead people and manage resources. Learn/apply various Army policies and programs in this effort. Three hours and a required leadership lab per week plus three required one-hour sessions for physical fitness. *Prereq: MILS 311/312.*

MILS 412 OFFICERSHIP **4.5 hrs**

This course continues the methodology from MILS 411. Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and military law as it relates to leading as an officer in the Army. Prepare for a future as a successful Army lieutenant. Two hours and a required leadership lab per week plus three one-hour sessions for physical fitness. *Prereq: MILS 311/ 312/411.*

SOCIOLOGY

Ballard (chairperson), Bauer, Kern, McCray.

Mission and Programs

The Department of Sociology currently consists of four full-time faculty. The department aims to enable students to become increasingly aware of their society, mutually respectful in relationships, and responsible members of the larger community. The program actively promotes a sociologically informed understanding of self and society and the many perspectives found in it and is committed to assuring that graduates are well prepared and able to pursue the educational, professional, occupational, personal and community goals they choose.

The department sponsors a major and a minor in Sociology, and is involved in the interdisciplinary minors Black Studies, Environmental Studies, Legal Studies, Women's Studies and the interdisciplinary major International Studies. The department also provides courses for the Integrative Studies program.

Through the required and the elective courses listed below, students can expect to learn about major social institutions, such as the family, the criminal justice system, complex organizations and cities. Students can also look forward to acquiring sensitivity to significant social patterns of diverse cultures in the U.S. and globally. Courses on social problems, social change, gender, race, class and ethnicity are also available to enhance the students' critical thinking skills. A requirement that majors and minors select one diversity course reflects a departmental commitment to issues of diversity on campus and in the community.

Majors can expect to enrich their liberal arts training by acquiring skills and a knowledge base that prepares them to compete effectively for graduate studies in sociology and related fields, for employment in social service agencies in the private and public sectors, and for responsible family and community roles.

Students are encouraged to explore sociological areas they are interested in through senior seminars, independent studies, and internship assignments. These individualized programs enable students to develop and test postgraduate plans while working with Otterbein sociology faculty, and to engage in independent scholarly research in sociology.

B.A. degree with a major in Sociology

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (55 hrs or equivalent):

- ❑ SOCL 120 - 5 hrs
- ❑ MATH 230 - 5 hrs
- ❑ SOCL 330 - 5 hrs
- ❑ One Diversity course from among SOCL 300, 325, 410 and 470 - 5 hrs
- ❑ A minimum of one 400-level SOCL course - 5 hrs

❑ A grand total of at least 50 SOCL hours; to fulfill residency, at least 15 of these hours must be at 300/400 level in an Otterbein classroom.

The following **optional** concentrations are available in the major:

1. Criminology concentration (at least 3 courses required)

❑ SOCL 130 - 5 hrs
❑ SOCL 210 - 5 hrs
❑ SOCL 220 - 5 hrs
❑ SOCL 260 - 5 hrs
❑ SOCL 300 - 5 hrs
❑ SOCL 310 - 5 hrs
❑ SOCL 325 - 5 hrs
❑ SOCL 380 - 5 hrs
❑ SOCL 410 - 5 hrs
❑ SOCL 415 - 5 hrs
❑ SOCL 470 - 5 hrs

2. Family Sociology concentration (at least 3 courses required)

❑ SOCL 190 - 5 hrs
❑ SOCL 210 - 5 hrs
❑ SOCL 230 - 5 hrs
❑ SOCL 260 - 5 hrs
❑ SOCL 300 - 5 hrs
❑ SOCL 325 - 5 hrs
❑ SOCL 410 - 5 hrs
❑ SOCL 470 - 5 hrs
❑ With permission of Department Chairperson, SOCL 390 and/or 490 may be substituted for one or more of above courses.

3. Urban Sociology concentration (at least 3 courses required)

❑ SOCL 110 - 5 hrs
❑ SOCL 130 - 5 hrs
❑ SOCL 210 - 5 hrs
❑ SOCL 260 - 5 hrs
❑ SOCL 300 - 5 hrs
❑ SOCL 310 - 5 hrs
❑ SOCL 330 - 5 hrs
❑ SOCL 360 - 5 hrs
❑ SOCL 380 - 5 hrs
❑ SOCL 410 - 5 hrs

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Sociology

Required (at least 30 total hrs):

❑ SOCL 120 - 5 hrs
❑ One Diversity course from among SOCL 300, 325, 410 and 470 - 5 hrs
❑ Remaining hours from any other SOCL courses.

Residence Requirement:

❑ Must be fulfilled by all transfer students (see p. 23).

For a description of the **Black Studies minor,** refer to p. 53 in this section of the catalog.

For a description of the **Women's Studies minor,** refer to p. 286 in this section of the catalog.

Program Outcome

Sociology majors can expect to be well prepared in this cornerstone liberal arts discipline to meet the challenges of choosing and pursuing graduate level study and a variety of employment opportunities. The sociology major consists of a selection of courses which prepares students for a critical understanding of social institutions, societal conditions, and opportunity structures. Graduates will develop an understanding of community and family, organization and individual responsibility; in these areas, the graduates of the program will be able to make positive contributions.

Sociology minors will enrich their liberal arts studies by experiencing the sociological perspective. Students who pursue any one of several academic majors and minors can enhance their theoretical and practical preparation by understanding the society in which they live and work.

Sociology Courses (SOCL)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

SOCL 110 SOCIOLOGY OF POPULAR CULTURE **5 hrs**

A sociological examination of a wide variety of popular art forms with a major emphasis on the mass media (sports, advertising, music, and popular fiction). The course addresses the relationship between cultural norms and values, and the major themes evident in popular culture products. Subcultural and international variations in popular stereotypes will be analyzed.

SOCL 120 INTRODUCTORY SOCIOLOGY **5 hrs**

An introduction to major social institutions such as family, education, politics, religion, economy and work, and health and medicine. A study of basic types of inequality such as by class, race, gender, age and sexual orientation. A review of basic interaction types in groups and organizations. Also featured are sociological theories, research methods and critical analysis of United States society.

SOCL 130 INTRODUCTION TO BLACK STUDIES **5 hrs**

Overview of the field of Black Studies and of the black experience. Sociological, historical, cultural and political themes and issues will be systematically considered. The course is a required introduction to the Black Studies interdisciplinary minor, and it can also be taken by any student as our elective.

SOCL 190 SOCIOLOGY OF WOMEN **5 hrs**

Women in society will be examined and discussed through a series of lectures, readings, field trips, guest speakers, and films. The feminist, theoretical and sociological study of women, their lives, and life choices will allow students to examine their own societal and cultural expectations.

SOCL 210 SOCIAL PROBLEMS **5 hrs**

Sociological approaches to the study of selected social problems in American society and the global community. Includes critical analysis of the political economy, insti-

tutional and individual sources of inequality and deviance. Topics range across such issues as environmental degradation, racism, sexism, homophobia, poverty, health care crises, immigration and substance abuse. Observation and research in the field are encouraged. *Prereq: SOCL 120*

SOCL 220 SOCIOLOGY OF DEVIANCE **5 hrs**
This course introduces students to the scientific study of norm-violating behavior. Included will be discussions of the deviance-defining process, theories of deviant behavior, and some exploration of specific deviant behaviors and deviant subcultures. *Prereq: SOCL 120.*

SOCL 230 FEMINIST PERSPECTIVES IN SOCIAL PSYCHOLOGY
5 hrs Focus of the understanding and application of feminist theories which explore socially constructed realities of sexuality, reproduction and motherhood, concepts of beauty, work, employment, and the impact of sexism, racism and classism on behavior and personality in select cultures. Seminar format. *Prereq: SOCL 120 or permission of the instructor.*

SOCL 260 SOCIOLOGY OF THE BLACK EXPERIENCE **5 hrs**
A sociological study of the social, cultural and political interactions of African Americans and the African American community with other segments of America's diverse, multi-cultural and pluralistic society and of the African diaspora.

SOCL 295 ENVIRONMENTAL SOCIOLOGY **5 hrs**
Constructs a framework for the study of how cultures and societies influence, and in turn are shaped, by the natural environment. This course examines the natural environment as it relates nationally and globally to culture, societal organization, and social, economic and political policies. *Prereq: SOCL 120 and ENST 101; or permission of instructor.*

SOCL 300 RACIAL AND ETHNIC RELATIONS **5 hrs**
A study of racial and ethnic relations in United States society. Unique histories of numerous cultural groups. Theories and cultural dynamics of prejudice and intergroup relations. Patterns of discrimination in law, education, employment, housing, health and the media. *Prereq: SOCL 120 and junior standing or permission of the instructor. Prior completion of SOCL 210 is recommended.*

SOCL 310 CRIMINOLOGY **5 hrs**
Types of criminal behavior, theoretical explanations of crime and societal response to crime will be explored as is the criminal justice system, and the prevention and treatment of juvenile delinquency, and explorations of the U.S. criminal justice system. Field trips to criminal justice facilities may be included in class activities. *Prereq: SOCL 120. Prior completion of SOCL 210 is recommended.*

SOCL 325 SOCIOLOGY OF FAMILY DIVERSITY **5 hrs**
Seminar on the diversity of contemporary families including theory and research requirements. The links between families and work, and changing family composi-

tion and gender patterns analyzed. Films, speakers for gay lesbian, Asian, Africa American, Arab, etc. will be included. *Prereq: SOCL 120.*

***SOCL* 330 RESEARCH METHODS FOR THE SOCIAL SCIENCES** **5 hrs**
A study of basic quantitative and qualitative methods used in contemporary research in academic, business and government settings. The course covers research design, methods of data collection, sampling techniques, probability theory, data analysis, ethical issues in research, and writing the research report. Opportunity to carry on individual field work and to work in a research team, or small group. *Prereq: SOCL 120 and MATH 230.*

***SOCL* 360 DIMENSIONS OF BLACK INTELLECTUAL THOUGHT** **5 hrs**
This advanced course in Black Studies addresses the black experience from a critical perspective. Analysis of theoretical ideas applicable to the work of black scholars will be included. Critical skills will be used to challenge thinking about difference. Research materials will be applied to awareness about global relations, and roles in these relations.

***SOCL* 380 URBAN SOCIOLOGY** **5 hrs**
A study of the development of cities and the nature of social life in contemporary urban society. A focus on problems and solutions characteristic of diverse metropolitan communities in the U.S. and around the world. The course includes field trips and the opportunity to do scholarly research. *Prereq: SOCL 120. Prior completion of SOCL 210 is recommended.*

***SOCL* 385 GLOBAL SOCIAL CHANGE** **5 hrs**
Studies international aspects of social change such as globalization, environmental issues, social movements and the increasing gap between First, Second and Third world countries. Special attention is devoted to theoretical perspectives that illuminate and explain change. Case studies incorporate current events around the world. *Prereq: SOCL 120 or permission of instructor.*

***SOCL* 390 INDEPENDENT STUDY** **1-5 hrs**
This course is designed to enable students to engage in individual study and research in a subject area already familiar through previous course work. During the first week of the course, and in consultation with the instructor, students prepare a prospectus on previous related academic work, or special area of interest, specific research topic, and an outline for proposed research report. The course may be repeated on a different topic in a subsequent term. *Prereq: SOCL 120 and 210, permission of the instructor, and a Sociology course in the area of the student's independent study.*

***SOCL* 410 INEQUALITY AND POVERTY** **5 hrs**
Critical examination of contemporary issues of poverty and inequality in the U.S., including understanding of causes and consequences of social class, ethnic, racial, religious and gender stratification. Theoretical implication of research on poverty and inequality, and strategies to deal with homelessness, unemployment, world hunger and plight of refugees will be explored in a seminar format. Observations and research in the field are encouraged. *Prereq: SOCL 120 or permission of the instructor.*

SOCL 412 CLASSICAL SOCIOLOGICAL THEORY **5 hrs**
Provides a descriptive and analytical survey of the intellectual traditions influential in the discipline of sociology from its origin to the present. Particular emphasis is placed upon the lives and works of Karl Marx, Emile Durkheim and Max Weber. *Prereq: SOCL 120. Open to juniors and seniors only.*

SOCL 415 JUVENILE DELINQUENCY **5 hrs**
This course explores the unique position of juveniles within the context of crime and criminal justice. Topics to be covered include changing expectations of adolescents, the development of the juvenile justice system and comparison with the adult criminal justice system, and a discussion of the rehabilitative philosophy of juvenile corrections. Class activities may include field trips to juvenile justice facilities. *Prereq: SOCL 120 and 310, or permission of instructor.*

SOCL 420 CONTEMPORARY SOCIOLOGICAL THEORY **5 hrs**
Examines the state of contemporary social theory as it is influential in sociological research. Special emphasis is given to applying theories in order to understand contemporary social issues such as feminism, technology and society, inequality, and post-industrialism. This course is especially recommended in addition to SOCL 412 for those planning to attend graduate school. *Prereq: SOCL 120. Open to juniors and seniors only. Prior completion of SOCL 412 is recommended.*

SOCL 440 DEPARTMENTAL SEMINAR ON SPECIAL TOPICS **5 hrs**
This course may be devoted to a special topic of sociology including women in film, global feminist issues, migration of refugees, criminal justice issues or sociology of the African American culture. Different topics of sociology are discussed along with relevant recent research and theory. Occupational opportunities may be discussed, and guest speakers representing the scheduled areas of specialization may be invited. This course is to be taught on an occasional basis, depending on student and faculty interest. *Prereq: SOCL 120 or permission of instructor. Repeatable to a maximum of 15 credits.*

SOCL 470 SOCIOLOGY OF GENDER **5 hrs**
Seminar on the social and cultural norms governing gender relations, forms of sexism in a variety of cultural and social groups explored, and unequal consequences of genderdized social expectations. The course will explore changing roles of men and women's sexuality in education, politics, religion, occupations, family life, and guest speakers, films, research and theory will be included.. *Prereq: SOCL 120.*

SOCL 490 INTERNSHIP **1-15 hrs**
This course is intended for senior majors in sociology and related fields. It provides opportunities for practical and/or theoretical work in areas of sociology, supervised by a department faculty member, and as appropriate, by a member of an off-campus organization. Requirements are completion of SOCL 320 and 330, above average academic record, fairly clear vocational goals, and permission from a sociology faculty member in response to a written proposal submitted at least one term in advance. Students are encouraged to take part in designing an individualized internship experience around preferred areas of concentration they chose for themselves. Internships may be extended for two terms.

STUDENT LEARNING AND DEVELOPMENT

Student Affairs Office (coordinator)

Student Learning and Development Courses (SLD)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

***SLD* 100 YOUR OTTERBEIN JOURNEY** **2 hrs**

This course is designed to address issues facing freshman students and their transition to college. Understanding the value of critical thinking and intellectual development, personal growth and self-discovery, and wellness are addressed though individual reflection and a variety of group projects. Students explore their values, learning styles and career goals in addition to becoming more familiar with the opportunities for involvement at Otterbein. *Open to students in the Freshman Year Initiative.*

***SLD* 200 THE HELPING RELATIONSHIP** **2 hrs**

This course is designed for students who will be serving as resident assistants. Topics include social issues, communication, mediation, diversity, and counseling skills. Active participation is required and a willingness to examine one's own values and leadership style. *Prereq: Selection as a resident assistant, alternate or with special permission from the instructor if space permits.*

THEATRE AND DANCE

Stefano (chairperson), Bell, Johnson, Kane, Kirk, Robbins, Romer, Vaughan, White.

Mission and Programs

The Department of Theatre and Dance consists of nine full-time faculty members, 11 part-time faculty, and a support staff of four. The primary mission of the department is the training of artists for the professional theatre.

The department offers Bachelor of Fine Arts degrees in Acting, Design/Technology, and (with the Department of Music) Musical Theatre and Musical Theatre with a Concentration in Dance; a Bachelor of Arts degree in Theatre; and a minor in Dance. In addition, the department offers one of the Integrative Studies Arts courses.

The department mounts nine productions a year (six in the academic year and three in the summer) including an annual Dance Concert.

Selection and admission of all Theatre and Musical Theatre majors and Dance minors is made on the basis of departmental interview, audition and portfolio review. All Theatre and Musical Theatre majors are required to enroll in Theatre Participation (101, 201, 301, 401) every term they are in residence, and must achieve a grade of B or better each term. Students receiving a grade lower than B in Participation will be placed on departmental probation; probation will be removed if the student achieves a B in the following term. Students are allowed a maximum of two terms of probation during their academic career. Students not achieving a B in Participation at the end of their second term on probation will not be eligible to continue in any Theatre or Musical Theatre degree program.

In addition, all B.F.A. students are expected to maintain a 3.0 grade point average each term in their required major classes. Students falling below that standard will be placed on departmental probation; probation will be removed if the student achieves a 3.0 grade point average in the following term. Students are allowed a maximum of two terms of probation during their academic career. Students not achieving a 3.0 average at the end of their second term on probation will not be eligible to continue in the B.F.A. degree program.

Non-majors may participate in theatre activities by enrolling in Theatre 101. Non-majors also may enroll in Theatre 300, 310, 351, 352, 353; and they may enroll in Theatre 160, 162, 163, 170, 215, 225, 335 and 455 with the permission of the instructor. All other Theatre courses are restricted to Theatre and Musical Theatre majors only. Additional courses as indicated below are restricted to B.F.A. majors. Waiver of restrictions must be approved by the department chairperson.

Bachelor of Fine Arts in Acting

This program is a structured sequence of training for students preparing for careers as actors in the professional theatre. Students are admitted on the basis of departmental interview and audition. All B.F.A. students are evaluated by the faculty annually, and must meet expectations in Participation and in their other required major classes as stated above. Approval of the faculty is required for continuation in the B.F.A. in the Acting program.

B.F.A. degree with a major in Acting

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 310 or 320 must be selected)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - THR 490, a course required in the major, satisfies this requirement

Requirements in the major (105 hrs or equivalent):

- ❑ THR 100 - 3 hrs
- ❑ THR 101 - 3 hrs
- ❑ THR 160 - 2 hrs
- ❑ THR 181 - 3 hrs
- ❑ THR 182 - 3 hrs
- ❑ THR 183 - 3 hrs
- ❑ THR 201 - 3 hrs
- ❑ THR 215 - 2 hrs
- ❑ THR 261 - 4 hrs
- ❑ THR 262 - 4 hrs
- ❑ THR 263 - 4 hrs
- ❑ THR 301 - 3 hrs
- ❑ THR 320 - 5 hrs
- ❑ THR 351 - 5 hrs
- ❑ THR 352 - 5 hrs
- ❑ THR 353 - 5 hrs
- ❑ THR 370 - 3 hrs
- ❑ THR 401 - 2 hrs
- ❑ THR 430 - 4 hrs
- ❑ THR 440 - 4 hrs
- ❑ THR 445 - 4 hrs
- ❑ THR 490 - 15 hrs
- ❑ DANC 130 - 2 hrs
- ❑ DANC 140 - 2 hrs
- ❑ DANC 150 - 2 hrs
- ❑ DANC 160 - 2 hrs
- ❑ DANC 210 - 2 hrs
- ❑ MUSC 120, 462 and/or 472 - 6 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Bachelor of Fine Arts in Design/Technology

This program is a structured sequence of training for students preparing for careers as designers or technicians in the professional theatre. Students are admitted on the basis of departmental interview and portfolio review. All B.F.A. students are evaluated by the faculty annually, and must meet expectations in Participation and in their other required major classes as stated above. Approval of the faculty is required for continuation in the B.F.A. in Design/Technology program.

B.F.A. degree with a major in Design/Technology

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 310 or 320 must be selected)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - THR 490, a course required in the major, satisfies this requirement

Requirements in the major (108 hrs or equivalent):

- ❑ THR 100 - 3 hrs
- ❑ THR 101 - 3 hrs
- ❑ THR 111 - 4 hrs
- ❑ THR 112 - 4 hrs
- ❑ THR 113 - 4 hrs
- ❑ THR 150 - 3 hrs
- ❑ THR 160 - 2 hrs
- ❑ THR 162 - 4 hrs
- ❑ THR 163 - 3 hrs
- ❑ THR 170 - 2 hrs
- ❑ THR 201 - 3 hrs
- ❑ THR 225 - 4 hrs
- ❑ THR 301 - 3 hrs
- ❑ THR 320 - 5 hrs
- ❑ THR 325 or 335 - 4 hrs
- ❑ THR 326 - 3 hrs
- ❑ THR 330/340/345/350 (take any) - 12 hrs
- ❑ THR 351 - 5 hrs
- ❑ THR 352 - 5 hrs
- ❑ THR 353 - 5 hrs
- ❑ THR 401 - 2 hrs
- ❑ THR 490 - 15 hrs
- ❑ ART 151 - 5 hrs
- ❑ ART 240 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Bachelor of Fine Arts in Musical Theatre

This program is designed to prepare students for careers as actor-singer-dancers in the professional musical theatre. It is interdisciplinary and is administered jointly by the Department of Music and the Department of Theatre and Dance. Selection and admission is made on the basis of a joint interview and audition. All B.F.A. students are evaluated by the faculty annually, and must meet expectations in Participation and in their other required major classes as stated above. Approval of the faculty is required for continuation in the B.F.A. in Musical Theatre program. Students must complete 127 hours of Theatre, Music and Dance classes, as follows:

B.F.A. degree with a major in Musical Theatre

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 310 or 320 must be selected)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - THR 490, a course required in the major, satisfies this requirement

Requirements in the major (127 hrs or equivalent):

Required Studies in Musical Theatre including acting and voice

- ❑ THR 181 - 3 hrs
- ❑ THR 182 - 3 hrs
- ❑ THR 183 - 3 hrs
- ❑ THR 201 - 3 hrs
- ❑ THR 261 - 4 hrs
- ❑ THR 401 - 2 hrs
- ❑ THR 430 - 4 hrs
- ❑ THR 440 - 4 hrs
- ❑ MUSC 420 - 4 hrs
- ❑ MUSC 421 - 1 hrs

- ❑ THR 262 - 4 hrs
- ❑ THR 263 - 4 hrs
- ❑ THR 301 - 3 hrs
- ❑ MUSC 454/455 (take any) - 5 hrs
- ❑ MUSC 462 and/or 472 - 16 hrs

Required Studies in Dance and Movement

- ❑ DANC 130 - 2 hrs
- ❑ DANC 140 - 2 hrs
- ❑ DANC 150 - 2 hrs
- ❑ DANC 160 - 2 hrs
- ❑ DANC 210 - 2 hrs
- ❑ DANC 280 and/or 380 - 6 hrs

Required Support Courses in Music and Theatre

- ❑ MUSC 101 - 3 hrs
- ❑ MUSC 102 - 3 hrs
- ❑ MUSC 103 - 3 hrs
- ❑ MUSC 440 - 2 hrs
- ❑ THR 100 - 3 hrs
- ❑ THR 101 - 3 hrs
- ❑ THR 160 - 2 hrs
- ❑ THR 215 - 2 hrs
- ❑ THR 320 - 5 hrs
- ❑ THR 490 - 15 hrs
- ❑ at least 7-10 hrs of history courses selected from among DANC 120/220, MUSC 335/338 and THR 351/352/353

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Bachelor of Fine Arts in Musical Theatre with a Concentration in Dance

This program is designed to prepare students for careers as dancer-singer-actors in the professional musical theatre. It offers significantly more Dance training than the B.F.A. in Musical Theatre degree. The program is interdisciplinary and is administered jointly by the Department of Music and the Department of Theatre and Dance. All B.F.A. students are evaluated by the faculty annually. Approval of the faculty is required for continuation in the B.F.A. in Musical Theatre/Dance program.

B.F.A. degree with a major in Musical Theatre and a concentration in Dance

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 310 or 320 must be selected)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - THR 490, a course required in the major, satisfies this requirement

Requirements in the major (127 hrs or equivalent):

Required Studies in Musical Theatre including acting and voice

- ❑ THR 181 - 3 hrs
- ❑ THR 182 - 3 hrs
- ❑ THR 183 - 3 hrs
- ❑ THR 201 - 3 hrs
- ❑ THR 401 - 2 hrs
- ❑ THR 430 - 4 hrs
- ❑ THR 440 - 4 hrs
- ❑ MUSC 420 - 4 hrs

- ❑ THR 261 - 4 hrs
- ❑ THR 262 - 4 hrs
- ❑ THR 263 - 4 hrs
- ❑ THR 301 - 3 hrs
- ❑ MUSC 421 - 1 hrs
- ❑ MUSC 454/455(take any) - 5 hrs
- ❑ MUSC 462 and/or 472 - 9 hrs

Required Studies in Dance and Movement

- ❑ DANC 260 or 360 - 2 hrs
- ❑ DANC 320 - 3 hrs
- ❑ DANC 280 and/or 380 - 18 hrs

Required Support Courses in Music and Theatre

- ❑ MUSC 101 - 3 hrs
- ❑ MUSC 102 - 3 hrs
- ❑ MUSC 103 - 3 hrs
- ❑ MUSC 440 - 2 hrs
- ❑ THR 100 - 3 hrs
- ❑ THR 101 - 3 hrs
- ❑ THR 160 - 2 hrs
- ❑ THR 215 - 2 hrs
- ❑ THR 351 and either DANC 120 or 220 - 7 hrs
- ❑ THR 320 - 5 hrs
- ❑ THR 490 - 15 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments on p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Bachelor of Arts in Theatre

This program is designed for those students whose career goals require the study of more than one discipline, or who want a program with more flexibility than the B.F.A. This includes students who wish to pursue careers in stage management, college teaching, playwriting, directing, children's theatre, or arts administration. B.A. students are encouraged to design their own degree plan, above and beyond the minimum requirements for the degree, and to take extensive course work in other areas. One option is the minor in Arts Administration (see below). Depending on the nature of that plan, students receiving the B.A. degree should be able to enter graduate programs in Theatre leading to M.A., M.F.A. or Ph.D. degrees. They may also be qualified to enter careers or graduate programs in other fields which require the social and intellectual skills developed through the study of Theatre.

Students must successfully complete a minimum of 54 hours in Theatre. Selection and admission of B.A. Theatre majors is made on the basis of departmental interview.

B.A. degree with a major in Theatre

Requirements in the Core Curriculum:

- ❑ Integrative Studies - 50 hrs (specifics on p. 13; INST 310 or 320 must be selected)
- ❑ Foreign Language - 10 hrs (specifics on p. 15)
- ❑ Mathematics - 5 hrs (specifics on p. 15)
- ❑ Health and Physical Education Lifestyle Series - 3 hrs (specifics on p. 16)
- ❑ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

Requirements in the major (at least 54 total hrs):

- ❑ THR 100 - 3 hrs
- ❑ THR 101 - 3 hrs
- ❑ THR 150 - 3 hrs
- ❑ THR 151 - 3 hrs
- ❑ THR 160 - 2 hrs
- ❑ THR 201 - 3 hrs
- ❑ THR 215 - 2 hrs
- ❑ THR 285 - 3 hrs
- ❑ THR 301 - 3 hrs
- ❑ THR 320 - 5 hrs
- ❑ THR 351 - 5 hrs
- ❑ THR 352 - 5 hrs
- ❑ THR 353 - 5 hrs
- ❑ THR 401 - 2 hrs
- ❑ Remaining hours from among any other THR courses to reach at least 54 total with a minimum of 15 at 300/400 level.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Required total hours for the degree:

- ❑ At least 180 (also see exceptions/additional comments p. 23)

Application for Degree

- ❑ A prospective graduate must request an Application for Degree at the Registrar's Office two terms prior to the term in which the degree is to be completed.

Minor in Arts Administration

Required (all of these courses):

- ❑ ART 135 - 5 hrs
- ❑ ART XXX - 5 hrs
- ❑ ACCT 200 - 5 hrs
- ❑ ECON 210 - 5 hrs
- ❑ BADM 300 OR 310 - 5 hrs
- ❑ BADM 340 - 5 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Minor in Dance

The minor in Dance is specifically designed for trained dancers who wish to major in other fields of study but who want to continue to dance during their college careers. The program assumes that students arrive with at least intermediate level technique in ballet, modern, jazz and tap. Students without intermediate proficiency in one of these techniques may achieve it by enrolling in the appropriate beginning level class, but no beginning level class can be counted towards the Minor. Participation in the annual dance concert is assumed. Students must complete 27 hours of Dance classes. Admission into the Dance Minor is through departmental interview. Dance Minors are required to audition for the annual dance concert. Students must complete 27 hours of Dance classes.

Minor in Dance

Required (all of these courses):

Theory

- ❑ DANC 120 - 2 hrs
- ❑ DANC 220 - 2 hrs

Technique

- ❑ DANC 260 or 360 - 2 hrs
- ❑ DANC 320 - 3 hrs
- ❑ DANC 420 - 3 hrs
- ❑ DANC 280 and/or 380 - 15 hrs

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Program Outcome

Students should be aware that Theatre is a difficult and highly competitive field, and no training program can guarantee employment upon graduation. Nevertheless, the degree programs in Theatre should help students learn the skills needed to find work in the professional theatre, or to enter graduate school for further training. Finally, however, success in this field depends almost entirely on the determination of the individual.

Theatre Courses (THR)

Information about experimental courses, when offered, will be available at the Office of the Registrar late in the Spring Quarter preceding the academic year in which the courses are scheduled. Such courses are numbered 191, 291, 391 or 491.

THR 100 INTRODUCTION TO THEATRE **3 hrs**
A basic introduction to all aspects of theatre, including script analysis, dramatic theory, basic aesthetics, acting, directing, design and technical theatre. The course also examines departmental policies and operations. *Open to majors only.*

THR 101 THEATRE PARTICIPATION I **1 hr (three terms)**
Basic instruction in supervised production processes of scenery, lighting, costumes and properties for theatre productions. *Freshman Theatre majors must complete all three terms satisfactorily for any credit to count. Open to non-majors who may, with departmental permission, enroll and receive credit for one term at a time; non-majors may repeat the course for credit not to exceed 10 credits.*

THR 111 THEATRE TECHNOLOGY I **4 hrs**
First in a three-course introduction to all aspects of theatre technology, including stagecraft, costume construction, properties, lighting, sound, and drafting. Normally, the first term will concentrate on stagecraft and costume technology. *Open to majors only.*

THR 112 THEATRE TECHNOLOGY II **4 hrs**
A continuation of the theatre technology sequence. Normally, the second term will concentrate on light construction and sound technology. *Open to majors only.*

THR 113 THEATRE TECHNOLOGY III **4 hrs**
A continuation of the theatre technology sequence. Normally, the third term will concentrate on drafting, props, and advanced skills in previously studied areas. *Open to majors only.*

THR 150 INTRODUCTION TO ACTING **3 hrs**
A basic introduction to the fundamentals of acting with emphasis upon the development of imagination, self-awareness, sensory exercises, improvisation and the ability to execute simple stage tasks. *Open to majors only.*

***THR* 151 INTRODUCTION TO SCENE STUDY** **3 hrs**
A continuation of the introduction to acting, with emphasis upon script analysis and the application of fundamental acting skills to the creation of scenes from contemporary drama. *Prereq: THR 150.*

***THR* 160 STAGE MAKE-UP** **2 hrs**
Instruction and practical experience in the art of make-up for the stage. *Open to non-majors with permission of instructor.*

***THR* 161 ADVANCED MAKE-UP** **2 hrs (alt. yrs.)**
The study of advanced techniques, including fantasy make-up, special effects, and mask-making. *Prereq: THR 160 and B.F.A. standing.*

***THR* 162 DRAWING FOR THE THEATRE** **4 hrs**
This studio-based course focuses on fundamental drawing skills. Skills will include sketching and drawing the human figure, architectural and landscape drawing, perspective drawing, manipulating composition and form, and depicting light and shadow. This course lays the foundation for Painting for the Theatre. *Open only to BFA Design/Technology majors or by permission of the instructor.*

***THR* 163 PAINTING FOR THE THEATRE** **3 hrs**
This studio-based course teaches fundamental painting skills, such as color mixing and the manipulation of various media often used in theatrical rendering, including watercolors, acrylics and other media. Rendering of architectural elements, landscapes, fabrics, light and shade and the human form will instruct students in the basic skills needed as a foundation for the scenic and costume rendering courses. *Open only to BFA Design/Technology majors or by permission of the instructor. Prereq: THR 162.*

***THR* 170 SCRIPT ANALYSIS** **2 hrs**
The examination and practice of a variety of techniques for analyzing playscripts, in preparation for production. *Open to non-majors with permission of instructor.*

***THR* 181 ACTING, VOICE AND MOVEMENT I** **3 hrs**
Introduction to the fundamentals of acting with emphasis upon the development of imagination and self-awareness, finding the natural voice and aligning the body. *Open to BFA Acting and Musical Theatre majors only.*

***THR* 182 ACTING, VOICE AND MOVEMENT II** **3 hrs**
A continuation of the work on developing voice, movement and acting skills, with emphasis on sensory exercises, simple stage tasks, and monologues. *Open to BFA Acting and Musical Theatre majors only. Prereq: THR 181.*

***THR* 183 ACTING, VOICE AND MOVEMENT III** **3 hrs**
A continuation of the work on developing voice, movement and acting skills, with emphasis on script analysis and the creation of scenes from contemporary drama. *Open to BFA Acting and Musical Theatre majors only. Prereq: THR 182.*

***THR* 201 THEATRE PARTICIPATION II** **1 hr (three terms)**
Individual and group instruction and participation in supervised creative activities. All three terms must be completed satisfactorily for any credit to count. *For sophomore Theatre majors.*

***THR* 215 INTRODUCTION TO THEATRICAL DESIGN** **2 hrs**
An introduction to all forms of theatrical design, including scenery, costume, lighting, and sound. The course examines basic elements of design, script analysis, evolution of concept, problem-solving, and the collaborative process. *Open to non-majors with permission of instructor.*

***THR* 225 COSTUME HISTORY** **4 hrs**
Study of the evolution of fashion and theatrical costumes, from ancient Egypt to the present. *Open to non-majors with permission of instructor.*

***THR* 261 ACTING, VOICE AND MOVEMENT IV** **4 hrs**
Class and laboratory study of the basic principles and techniques of acting, with particular emphasis on development of the actor's instrument. Extensive practice in body reinforcement, voice production and articulation. Monologues and scenes will be presented. *Open to BFA Acting and Musical Theatre majors only. Prereq: THR 182.*

***THR* 262 ACTING, VOICE AND MOVEMENT V** **4 hrs**
Continued work on voice production and diction and its application to character development. Monologues and scenes will be presented. *Prereq: THR 261.*

***THR* 263 ACTING, VOICE AND MOVEMENT VI** **4 hrs**
Extensive practice in advanced character development and the use of dialects, applied to dramatic and musical forms. Monologues and scenes will be presented. *Prereq: THR 262.*

***THR* 285 STAGE MANAGEMENT** **3 hrs**
Theory and practical experience in stage management for the theatre. The stage manager's role in auditions, rehearsals, and in performance will be examined in detail. *Open to majors only.*

***THR* 300 CREATIVE DRAMATICS** **4 hrs (alt. yrs.)**
A basic introduction to the processes of improvisation and creative dramatics, with particular focus on children and creativity. *Open to non-majors.*

***THR* 301 THEATRE PARTICIPATION III** **1 hr (three terms)**
Individual and group instruction and participation in supervised creative activities. All three terms must be completed satisfactorily for any credit to count. *For junior Theatre majors.*

***THR* 310 CHILDREN'S THEATRE** **3 hrs (alt. yrs.)**
A basic introduction to the processes of children's theatre, including script selection, analysis, elements of production, acting, directing, and design for children's theatre. *Open to non-majors.*

***THR* 320 DIRECTING** **5 hrs**
A lecture-laboratory course covering the principles and techniques of the director's art. Fundamentals of staging, blocking, movement, business, tempo, script selection and analysis, casting, and rehearsal planning. Class members direct short scenes. *Prereq: THR 150 or THR 183.*

***THR* 323 STAGE MANAGEMENT SEMINAR** **1 hr**
A weekly discussion of practical problems and solutions in stage-managing Otterbein College Theatre productions. Open to stage managers of current productions and other Theatre majors with permission of the instructor. *May be repeated for a maximum of 12 credits.*

***THR* 325 SCENIC RENDERING** **4 hrs**
Study and execution of perspective drawing and painting of scenic designs and model-making using various artist's mediums and materials. *Prereq: THR 163 and B.F.A. standing.*

***THR* 326 SCENIC PAINTING** **3 hrs**
Studio work in painting techniques for full scale scenery including drops and 3D scenic elements as well as information about tools and materials. *Prereq: THR 163.*

***THR* 330 SCENE DESIGN** **4 hrs**
Lecture-laboratory process of scenic design. Analysis and research to develop artistic approach to scenic communication. Designs are executed in various styles, theatrical spaces and historical periods. *Prereq: THR 325 and B.F.A. standing.*

***THR* 335 COSTUME RENDERING** **4 hrs**
Study and execution of perspective drawing and painting techniques for costume design using various artist's mediums and materials. *Prereq: THR 163. Open to non-majors by permission of instructor.*

***THR* 340 COSTUME DESIGN** **4 hrs**
Instruction and laboratory application of the fundamentals of design, color theory, and character analysis as they relate to the art of costume design. *Prereq: THR 335 and B.F.A. standing.*

***THR* 345 SOUND DESIGN** **4 hrs**
Lecture-laboratory process of sound design for the theatre from aesthetic analysis to completed sound track. *Prereq: THR 112 and B.F.A. standing.*

***THR* 350 LIGHT DESIGN** **4 hrs**
Lecture-laboratory process of lighting design from aesthetic analysis to completed plot and hanging schedule. *Prereq: THR 113 and B.F.A. standing.*

***THR* 351 THEATRE HISTORY I** **5 hrs**
A study of the historical evolution of dramatic forms, the physical theatre, staging and theatre personalities from the classical theatre of Greece to 1800. *Open to non-majors.*

***THR* 352 THEATRE HISTORY II** **5 hrs**
A study of the historical evolution of theatre from 1800 to 1945. The course emphasizes the development of realistic and musical theatre forms. *Open to non-majors.*

***THR* 353 THEATRE HISTORY III** **5 hrs**
A study of the historical evolution of theatre from 1895 to the present. The course emphasizes antirealistic forms. *Open to non-majors.*

***THR* 355 COMPUTER-AIDED DESIGN** **3 hrs**
Lecture-laboratory in the use of computers for theatrical design, with special emphasis on three-dimensional modeling of scenery. *Prereq: THR 113 and B.F.A. standing.*

***THR* 370 ACTING FOR TV-FILM** **3 hrs**
A class and laboratory study designed to expose the student to practical techniques of television and film acting. Extensive lab work is done in the video studio. *Prereq: THR 263 and B.F.A. standing or permission of instructor.*

***THR* 380 ADVANCED DIRECTING** **3 hrs**
Practical experience while directing Workshop Theatre productions. *Prereq: THR 320 and permission of instructor.*

***THR* 390 INDEPENDENT STUDY** **1-5 hrs**
Supervised individual and group projects for qualified students who have completed foundation courses. May be repeated for credit; not to exceed 10 quarter hours. *Junior standing or permission of instructor required.*

***THR* 401 THEATRE PARTICIPATION IV** **1 hr (two terms)**
Individual and group instruction and participation in supervised creative activities. Two terms must be completed satisfactorily for any credit to count. *For senior Theatre majors.*

***THR* 430 ACTING STUDIO I** **4 hrs**
Advanced practical characterization and performance work plus intensive work on auditioning techniques. Auditions are presented to professional producers. *Prereq: THR 263 and admission to junior level B.F.A. Acting or Musical Theatre standing.*

***THR* 440 ACTING STUDIO II** **4 hrs**
Intensive practical characterization and performance work in plays by Shakespeare. *Prereq: THR 430.*

***THR* 445 ACTING STUDIO III** **4 hrs**
Intensive practical characterization and performance work in classical, commedia 'dell arte, and contemporary avant-garde styles. *Prereq: THR 440.*

***THR* 455 ADVANCED COMPUTER-AIDED DESIGN** **4 hrs**
Advanced studio work in 3D modeling and animation building on techniques and software covered in THR 355 and also ART 385 and EDUC 685. *Prereq: THR 355 or ART 385 or EDUC 685. Open to non-majors who meet one of the prerequisites.*

***THR* 460 SPECIAL TOPICS IN THEATRE DESIGN/TECHNOLOGY** **1-4 hrs**
Advanced study in selected areas and techniques of theatrical design or technology. *Prereq: Permission of instructor. May be repeated for a maximum of 12 hours.*

***THR* 480 SUMMER THEATRE** **1-5 hrs**
An intense laboratory experience in acting or technical theatre for advanced students with the Otterbein Summer Theatre. *Entrance by audition only.*

***THR* 490 INTERNSHIP** **12-15 hrs**
Required for all senior B.F.A. majors, subject to departmental approval. *Open to senior B.A. Theatre majors who apply and meet departmental requirements.* Students must have a 3.0 cumulative grade point average in their required major classes to apply. Off-campus internship programs provide opportunity for practical work in professional theatre. Students may not enroll in any other class while on internship. Specific requirements are on file in the departmental office.

Dance Courses (DANC)

Except as indicated, Dance classes are open to non-majors.

***DANC* 100 MOVEMENT AWARENESS** **2 hrs**
This is an integrative dance course with techniques drawn from dance, Tai Chi Chuan, Alexander Technique, and other east/west forms. Emphasis is placed on postural reorganization, improved coordination, stress release, injury prevention, and mind-body integration.

***DANC* 120 HISTORY AND PHILOSOPHY OF DANCE I** **2 hrs**
An overview of the history and philosophy of dance through the 19th century. In addition to lectures, differing period forms and choreography will be demonstrated in lab sessions.

***DANC* 130 BALLET I** **2 hrs**
Fundamentals of classical ballet technique with emphasis on analysis and proper execution.

***DANC* 140 JAZZ I** **2 hrs**
Basic movement techniques in concert jazz dance.

***DANC* 150 MODERN I** **2 hrs**
Basic movement techniques and improvisational experience in modern dance.

***DANC* 160 TAP I** **2 hrs**
Introduction to the fundamentals of tap dance. *May be repeated for a maximum of four credits.*

***DANC* 200 DANCE PRACTICUM** **2 hrs**
Individualized work (generally a scheduled, structured class) in areas of dance techniques and composition. *May be repeated for a maximum of eight credits.*

***DANC* 210 STAGE COMBAT** **2 hrs**
Practice in fundamentals of stage combat technique. *Theatre and Musical Theatre majors only.*

***DANC* 220 HISTORY AND PHILOSOPHY OF DANCE II** **2 hrs**
Overview of the history of 20th-century dance. In addition to lectures, contemporary styles and choreography will be demonstrated in lab sessions. *Prereq: DANC 120.*

***DANC* 260 TAP II** **2 hrs**
Continuation of Tap I at an advanced beginning level. *May be repeated for a maximum of 4 credits. Prereq: DANC 160 and permission of the instructor.*

***DANC* 280 INTERMEDIATE DANCE** **2 hrs**
Ballet, modern, and jazz technique at an intermediate level. *May be repeated for a maximum of 18 credits. Prereq: DANC 130, 140, and 150 or by audition.*

***DANC* 320 CHOREOGRAPHY I** **3 hrs**
Composition elements and construction of motifs and dance studies based on music, elemental properties, and non-literal thematic materials. Emphasis is on form and structural concepts. Open to Dance minors, Theatre and Musical Theatre majors only, except by permission of instructor.

***DANC* 360 TAP III** **2 hrs**
Tap at an intermediate/advanced level. *May be repeated for a maximum of 4 credits. Prereq: DANC 260 and permission of the instructor.*

***DANC* 380 ADVANCED DANCE** **2 hrs**
Ballet, modern, and jazz technique at an advanced level. *May be repeated for a maximum of 24 credits. Admission by audition only.*

***DANC* 390 INDEPENDENT STUDY** **1-5 hrs**
Supervised small class instruction and projects for qualified students who have completed foundation courses. Individual research projects also included.

***DANC* 400 DANCE PRACTICUM** **2 hrs**
Individualized work in areas of technique and composition. *May be repeated for a maximum of eight credits.*

***DANC* 410 ASSISTING IN DANCE** **2 hrs**
Assisting faculty instructors with warm-ups, technical development of a class, musicals, choreography, movement sequencing, and class directorship under faculty supervision. *May be repeated for a maximum of six credits.*

***DANC* 420 CHOREOGRAPHY II** **3 hrs**
Selection of dance theme, construction of dances and small group studies. Aesthetic considerations, form and elements of performance emphasized. *Prereq: DANC 320. Open to Dance minors, Theatre and Musical Theatre majors only, except by permission of instructor.*

WOMEN'S STUDIES

Fatherly (coordinator) and members of various departments

The **Women's Studies minor** promotes interdisciplinary knowledge and understanding of the history, contributions, issues, and conditions affecting women in society and gender as a system. Courses in the program explore the nature and effects of gender in various national and global contexts and connect it to other important identity categories including race, class, and sexuality. In doing so, the minor helps students develop critical thinking and interaction skills and enhance their knowledge of issues facing diverse societies today.

Minor in Women's Studies

Required (at least 25 total hours):

Women's Studies (take this course)		
❑ WOST 110	Introduction to Women's Studies	5 hrs
Arts (take at least one)		
❑ ART 260	Women Artists in History	5 hrs
❑ MUSC 338	Women in Music	5 hrs
Health Education (take at least one)		
❑ HPES 101	Women's Health Issues	1 hr
❑ HPES 101	Self Defense	1 hr
❑ HLED 320	Sexual Maturity	3 hrs
Humanities (take at least one)		
❑ ENGL 231	Women Writers	5 hrs
❑ HIST 351	American Women's History	5 hrs
❑ RELG 270	Women and Religion	5 hrs
❑ RELG 360	Gender and Sex in the World's Mythology	5 hrs
Social Sciences (take at least one)		
❑ COMM 320	Family Communication	5 hrs
❑ P SC 375	Women and Politics	5 hrs
❑ PSYC 375	Psychology of Women	5 hrs
❑ SOCL 190	Sociology of Women	5 hrs
❑ SOCL 230	Feminist Perspectives in Social Psychology	5 hrs
❑ SOCL 470	Sociology of Gender	5 hrs
Additional Options		
❑ XXXX 390	Independent Study (may be arranged with any academic department; also requires approval of Women's Studies coordinator)	
❑ XXXX x91	Experimental courses (may be taken in any academic department when the course is centered on issues related to women or gender; requires approval of Women's Studies coordinator)	
❑ XXXX 490	Internship (may be arranged with any academic department; also requires approval of Women's Studies coordinator)	

Total Hours in the Minor:

- ❑ Above courses must total at least 25 hours with at least 10 of these hours at the 300/400 level.

Residence Requirement:

- ❑ Must be fulfilled by all transfer students (see p. 23).

Descriptions of the courses other than Women's Studies are listed under their respective home departments in this section of the catalog. Course prefixes (ART, COMM, etc.) and the home departments to which they are assigned are identified in the index on p. 28.

Women's Studies (WOST)

WOST 110 INTRODUCTION TO WOMEN'S STUDIES **5 hrs**

This course provides an introduction to the interdisciplinary field of women's studies. It offers grounding in how to study the experiences of women themselves and how to understand gender as a powerful, socially constructed system. Students will have an opportunity to explore and apply these new ideas and methods by working intensively on a particular issue in women's studies through the lenses of specific academic disciplines.

WOST 390 INDEPENDENT STUDY **1-5 hrs**

Independent study. Opportunity for work in topics of special interest. *Prereq: Permission of instructor and Women's Studies coordinator.*

WOST 490 INTERNSHIP **1-15 hrs**

Internships are individually arranged and available to qualified students upon submission of a written proposal. Application to the Women's Studies coordinator must be made during the term preceding the one in which the internship would begin.

PRE-PROFESSIONAL PROGRAMS

Pre-Dentistry

For careers in this field, consider majors such as Biochemistry (p. 68) or Life Science with a concentration in Pre-Professional Health Sciences (p. 177).

Pre-Medicine

For careers in this field, consider majors such as Biochemistry (p. 68) or Life Science with a concentration in Pre-Professional Health Sciences (p. 177).

Pre-Optometry

For careers in this field, consider majors such as Biochemistry (p. 68) or Life Science with a concentration in Pre-Professional Health Sciences (p. 177).

Pre-Veterinary Medicine

For careers in this field, consider majors such as Biochemistry (p. 68), or Equine Science Preveterinary Medicine/Pregraduate Studies (p. 114), or Life Science with a concentration in Pre-Professional Health Sciences (p. 177).

INTERDISCIPLINARY MAJORS AND MINORS

International Studies major

For a description of the academic program, see International Studies on p. 162.

Black Studies minor

For a description of the academic program, see Black Studies on p. 53.

Environmental Studies minor

For a description of the academic program, see Environmental Studies on p. 112.

Language and Culture of the Deaf Community minor

For a description of the academic program, see American Sign Language on p. 44.

Legal Studies minor

For a description of the academic program, see Legal Studies on p. 175.

Women's Studies minor

For a description of the academic program, see Women's Studies on p. 286.

OFF-CAMPUS PROGRAMS

Internships—Academic credit is granted in many departments for on-the-job experience which requires the application of knowledge in an agency, institution or business as a student intern. The potential for internships is available in every department. These opportunities, and others yet in the planning stage, acquaint students with career options, provide valuable work experience and help insure better job opportunities. Interested students should contact the chairperson of the appropriate department, the Associate Dean for Academic Affairs, or the Career Center. *A special registration form must also be completed at the Registrar's Office. Repeatable to a maximum of 15 credits in all subject areas combined (excluding SYE 490).*

Dijon, France Program—Students who have completed two terms of college-level French (French 100 and 110 or equivalent) may take advantage of an opportunity to increase their fluency and gain new cultural perspectives by studying in Dijon, France, under a program sponsored by Otterbein College. Students live in an international dormitory and take classes at the Centre International d'Etudes Francaises at the University of Bourgogne. Interested students should contact Dr. Levilson Reis in the Department of Foreign Languages.

ECC Exchange Programs—The East Central Colleges (ECC) consortium, to which Otterbein College belongs, offers eight exchange programs in the following locations:
Universidad Interamericana—Puerto Rico, USA
Universite du Quebec—Canada
University of Prince Edward Island—Canada
University of Saskatchewan—Canada
University of Passau—Germany
Universidad Blas Pascal—Argentina
University of Karlstad—Sweden
American College of Thessaloniki—Greece
Interested students should contact Charles Vedder, Off-Campus Study Coordinator.

Strasbourg, France Program for Education Majors—The Foreign Language Department, in cooperation with the elementary schools of Strasbourg, France, offers a 10-week internship for students preparing to teach French in the elementary schools. Any student pursuing a degree in education with at least junior standing and at least two years of college French is eligible. Interested students should contact Dr. Levilson Reis in the Foreign Languages Department.

Irish-American Scholar Program—Administered by the General Board of Higher Education and Ministry of the United Methodist Church, the Irish-American Scholar Program provides Otterbein students the opportunity to study at one of three outstanding schools in Northern Ireland: Queen's University, the University of Ulstr, and the Belfast Institute of Further and Higher Education (BIFHE). Interested students should contact Charles Vedder, Off-Campus Study Coordinator. *Application deadline: mid-January.*

Derbyshire, England Student Teaching —Early Childhood Education students spend 11-12 weeks in England during the fall quarter of their senior year. Student teaching is in classrooms in the city of Derby in Derbyshire. The program involves supervision by a mentor teacher and a liaison from the University of Derby. Housing is in facilities approved and obtained by the University of Derby. Students interested in this program should begin to plan early, so that proper scheduling and budgeting of costs can occur. Successful experiences in other placements and positive recommendations regarding work ethic and flexibility will be necessary for participation. For further information, contact Dr. Karen Robinson in the Education Department.

Maastricht Exchange Program (Business and Economics) —Otterbein College students majoring in Business Administration or Economics are eligible to participate in the two-way exchange program with the University of Maastricht in the Netherlands. Classes are taught in English; credits will likely transfer into the student's major. Students live in housing with other international students. Interested students should contact Dr. Allen Prindle, Business, Accounting and Economics Department.

Maastricht Exchange Program (General) —Otterbein College students in any major are invited to apply for the two-way exchange program with the University College Maastricht of the University of Maastricht in the Netherlands. Classes are taught in English; credits will transfer. Students live in housing with other international students. Interested students should contact Charles Vedder, Off-Campus Study Coordinator.

McCurdy Student Teaching Internship —The Education Department, in cooperation with McCurdy School in Espanola, New Mexico, provides a 10-week student teaching experience in a private, K-12 school affiliated with the United Methodist Church. McCurdy has a very diverse student population that is 85% Hispanic, 5% Native American, and 10% Anglo. Spanish language proficiency is not necessary. Free room and board are included on the campus. Any student who has successfully completed Early Childhood, Middle Childhood, or Secondary Methods and has been recommended for student teaching may apply during the spring quarter of the junior year. The McCurdy Student Teaching Internship may take place autumn, winter, or spring quarter of the senior year. Interested students should contact Dr. Marlene Deringer in the Education Department.

Otterbein-Kalmar Exchange Program —The University of Kalmar in southern Sweden offers courses in English in a wide variety of disciplines. Interested students should see Charles Vedder, Off-Campus Coordinator.

Otterbein-Kansai Gaidai Exchange Program —Through the exchange program between Otterbein College and Kansai Gaidai University, students from both schools have the outstanding opportunity of studying at their partner institution. Kansai Gaidai, located in Hirakata, between Osaka, one of Japan's major cities, and Kobe, known for its historical monuments, is a prestigious international university with a new, state-of-the-art campus. Otterbein students can select from classes in the Asian Studies Program, consisting of courses taught in English in various fields, Japanese language courses, and studio art courses. Knowledge of Japanese is not a requirement,

but students who have studied the language find it helpful. Interested students should contact Charles Vedder, Off-Campus Study Coordinator.

Study Program at Roehampton—Otterbein College and the University of Surrey Roehampton in Wimbledon, London, England, conduct an exchange program in the spring semester (winter and spring quarters). Otterbein sophomores, juniors and seniors in any major are eligible to apply. Participants enjoy a wide selection of courses at Roehampton and the rich cultural environment of London. Interested students should contact Charles Vedder, Off-Campus Study Coordinator. *Application deadline: October 1.*

R.O.T.C. Programs—see p. 261.

Cooperative Engineering Program—Otterbein College cooperates with Washington University in St. Louis (Dual Degree Program) and Case Western Reserve University (Binary Degree Program) leading to a B.A. degree from Otterbein College and a B.S. degree in Engineering from either Washington University in St. Louis or Case Western Reserve University. Participants in this program commonly follow a "3-2" or "4-2" schedule often entering Washington or Case Western Reserve after their junior year at Otterbein. Students choosing this enrollment pattern for Dual Degree study attend Otterbein for nine quarters/three years and then Washington or Case Western Reserve for four semesters/two years.

Both Washington University in St. Louis and Case Western Reserve University offer degrees in biomedical, chemical, civil, electrical, and mechanical engineering, computer science and engineering, and systems science and engineering. Washington University also offers an interdisciplinary program in environmental resources and process control systems. Case Western Reserve offers degrees in aerospace, fluid and thermal, and industrial engineering, materials science and polymer science. In addition, astronomy and biochemistry degrees are available through the binary degree program at Case Western Reserve.

The Cooperative Engineering Program is an attractive alternative to traditional engineering curricula which are typically highly structured and require longer than four years to complete. Program graduates are "liberally educated engineers" who have strong diagnostic problem solving and communications skills with a broad background in humanities and social sciences as well as a high-quality technical education. They are well prepared to gain recognition and management assignments because of the distinctive range of their skills. Interested students should contact Dr. Louis G. Arnold in the Department of Physics and Astronomy.

Cross Registration thru HECC—Cross registration enables a ***full-time degree-seeking*** student in good academic standing an opportunity to register at a member Higher Education Council of Columbus (HECC) institution on a space-available basis for certain credit courses. The primary objective of cross-registration is to enrich a student's curriculum by providing an opportunity to take a course ***that is never taught at Otterbein*** without requiring formal admission or payment of tuition to the host institution. The host institutuion may, however, charge for other enrollment-related fees such as laboratory or parking fees.

Member HECC institutions are:

Capital University
Central Ohio Technical College
Columbus State Community College
Franklin University
Ohio Dominican University
Otterbein College
The Columbus College of Art and Design
De Vry Institute of Technology
Mt.Carmel College of Nursing
The Ohio State University
Pontifical College Josephinum

Participation requirements are:

1. The student must be in good academic standing and enrolled full-time at Otterbein (12 or more hours of Otterbein coursework; this excludes the hours of the cross-registered course). If the student drops below full-time status atOtterbein, withdrawal from the cross-registered course will be required. If the cross-registered course is to be taken at an institution from which the student transferred, the student must have departed that institution in good academicstanding.
2. A course taken through HECC cannot be one that is offered by Otterbein (the determination as to whether the host institution's course is similar to Otterbein's will be made by Otterbein). ***Thus, the course cannot be sub stituted for requirements in the core curriculum, the major, the minor, etc.***
3. ***The program may not be used to resolve scheduling conflicts.***
4. The student must be able to demonstrate that any prerequisite course knowl edge has already been met.

Registration requirements are:

1. The student must first make an appointment with Otterbein's registrar to ob tain registration approval. Once approval is received, the student must then register at the host institution.
2. A combined total of hours carried at Otterbein and the host institution may not exceed 18 unless a 3.0 GPA was achieved for a full-time load the preceding term. If a 3.0 was achieved for a full-time load, a maximum of 20 hours may be carried. No student may register for more than 20 hours in a quarter.
3. ***Cross-registration is limited to one course per term and three per life time.*** The lifetime total is the total for all institutions attended. In other words, if two cross-registered courses are taken while enrolled at Otterbein, only one more may be taken if the student transfers to another HECC institution.
4. The program is not available in summer.

The grade and hours will be treated in the same way as if the course had been taken at Otterbein (posted on Otterbein's transcript, grade figured into Otterbein G.P.A., etc.). No record of the grade and hours will be maintained by the host institution.

ACADEMIC SUPPORT PROGRAMS

Academic Advising

Prior to enrolling at Otterbein, students are assigned academic advisors. The advising process is an ongoing series of consultations between the student and the advisor. Advising involves both the development and communication of accurate information regarding degree programs, courses, resources, academic policies/procedures and career opportunities intended to help students in achieving their educational goals. Both the advisee and the advisor share the responsibility of being active participants in the advising process. However, the student is responsible for making decisions regarding personal and educational goals and satisfying all graduation requirements.

Academic Support Center (including tutoring)

TheAcademic Support Center provides a variety of academic support services. The Writing Center provides drop-in consultation on writing projects in any subject area at any level. The Center, staffed by students and professionals, is open to all students who want to develop and refine their writing skills. The Math Lab provides assistance with math homework or concept review. It is staffed by student tutors who are available for extended hours each day. Content area peer tutoring on an individual basis is available in many other academic subjects. Noncredit individualized assistance from the professional staff is offered in areas such as time management, exam preparation, effective reading techniques, note-taking, and math study skills. Supplemental Instruction, a series of weekly review sessions, is offered in selected courses that are considered historically difficult. The Academic Support Center also facilitates special academic accommodations for students with disabilities.

Disability Services

Academic accommodations for students with disabilities are provided through the Academic Support Center (located on the second floor of the library).

Additional support services may also be available through individual academic departments. Contact the specific department for assistance.

ADMISSION

Otterbein College seeks to admit students who are best qualified to benefit from the educational offerings of the College and to contribute to the campus community. Each applicant's credentials are reviewed individually; the major concern of the College is assessing the student's preparation for success in our environment. Admission decisions are based on academic performance, standardized test results, and the potential for future growth and success. Special talents and participation in extracurricular and community activities will also be considered. Letters of recommendation and personal essays, although not required, may contribute to a candidate's evaluation.

Preference is given to applicants who have successfully completed a college preparatory curriculum consisting of four units of English, 3-4 units of mathematics, 3-4 units of science, 3-4 units of social studies, 2-3 units of foreign language, and 1-2 units in the performing arts. The College is aware of the diversity of programs and the variety of opportunities available in high school, and therefore admission consideration may also be given to students who show strong academic promise but may not have fulfilled the traditionally required curriculum. Students are admitted without regard to gender, race, sexual orientation, creed, color, national origin or handicap.

Campus Visits

The Office of Admission strongly encourages students to get a better understanding of student life at Otterbein by spending a day on campus. It is possible to visit classes, meet with our faculty and admission counselors, take a tour of Otterbein's facilities, share a meal in our dining hall, and talk informally with our students. It is advisable to make an appointment at least one week in advance of your visit so that individual conferences and tours can be arranged.

The Admission Office is open Monday through Friday from 8:30 a.m. to 5 p.m. Saturday hours are from 9:30 a.m. to 1 p.m. while school is in session. The Office of Admission also holds several visitation days on campus during the year including several general open houses for seniors in the fall and a junior/sophomore visitation day in the spring. Visitation day information is mailed to prospective students and can be found on the Otterbein website.

To schedule a campus visit or receive answers to your questions about Otterbein, contact the Office of Admission, Otterbein College, Westerville, Ohio 43081. Our telephone numbers are 1-800-488-8144, 1-877-688-3723 or 614-823-1500, or by E-mail at UOtterB@Otterbein.edu, or by facsimile at 1-614-823-1200. You may also inquire or ***apply*** when visiting our Website: www.otterbein.edu.

Application Process

A. First-time Freshmen

Application forms may be obtained by contacting the Admission Office, Otterbein College, Westerville, Ohio 43081, phone 1-800-488-8144, 1-877-688-3723 or 614-823-1500, or by E-mail at UOtterB@Otterbein.edu, or by facsimile at 1-614-823-1200. **You may also *apply* online by visiting our Website: www.otterbein.edu.**

Freshman applications may be filed anytime after the student has completed the junior year of high school. We strongly encourage students intending to enroll in the

fall term to apply by March 1 of the senior year to be fully considered for acceptance, scholarships, financial aid and housing. Applications received after that will be considered on a space-available basis. Please note that certain programs (i.e. Musical Theatre, Theatre,) have limited enrollment. The admission staff begins to review applications in October and follows a rolling admission process whereby completed applications files are normally acted upon within two weeks of their receipt. It is necessary to provide the Office of Admission with the following credentials:

1. A completed application form with signature and $25 application fee.
2. An official copy of your current high school transcript showing course work taken, grade point average, and class rank.**
3. An official record of your ACT or SAT I scores. We will accept test scores reported on an official transcript.

** Home schooled students should submit written documentation of successful completion of the equivalency of a college preparatory high school curriculum. Transcripts from a cooperating school district are preferred. High school proficiency test results are encouraged (Ohio students only).

B. Transfer Students

Students interested in transferring to Otterbein from an accredited two-year or four-year institution should submit the following credentials to the Office of Admission:

- a completed application form and $25 application fee.
- an official final high school transcript.
- an official transcript from each post-secondary institution attended in the United States.

When an admission file is complete, the Office of the Registrar will perform a transcript evaluation and an admission decision will be made by the Office of Admission. An applicant for transfer from an accredited institution must present evidence of academic performance at least equal to that which is required of Otterbein students. (For additional information on transfer of credits see p. 282.)

An application may be obtained by writing to the Office of Admission at Otterbein College, One Otterbein College, Westerville, Ohio 43081; by calling 1-800-488-8144, 1-877 Otterbein or 614-823-1500. A request for an application can also be submitted via e-mail to UOtterB@Otterbein.edu or facsimile at 614-823-1200. A student may also apply online at our website: www.otterbein.edu.

C. Special Admission Procedures for First-time Freshmen and Transfer Students

To better assess the potential for an applicant's success, several of our programs require auditions or other information in addition to the credentials required for admission listed above.

Education. Transfer students intending to ursue teaching licensure must meet the following criteria prior to trnsfer:

- 2.5 overall GPA from all institutions (must include final grades from all institutions)
- 2.5 overall GPA in concentration/teaching area(s)

- ACT scores of 20 or above on both English and Math OR
- SAT scores of 500 or above on both Verbal and Math, OR Praxis I scores of 172 or above on Writing and Math
- Permission of the Education Department Chair

Note: Meeting these criteria for transfer does not automatically admit students to the Teacher Education Program. Qualified transfer students should refer to the current *Teacher Education Programs* booklet for specific admission procedures to the program.

Music. Applicants intending to pursue a major in music must audition for admission to the Department of Music. Information regarding audition dates and arrangements may be obtained by writing to the Department of Music, Otterbein College, Westerville, Ohio 43081, by calling 614- 823-1508 or by visiting our website at www.otterbein.edu.

Nursing. Applicants intending to pursue a major in nursing must submit a separate Nursing Application Form prior to entering nursing courses. Forms are available in the Department of Nursing, located in room 209, Science Center and will be mailed to applicants when they are accepted to the College. Otterbein students submit an application for progression during the Spring of their freshman year. Transfer students: R.N.-B.S.N., R.N.-M.S.N., and L.P.N. to B.S.N. must submit a nursing application when all prerequisites are completed and they are ready to enter nursing courses. Applications and further detail are available in the Office of Continuing Studies.

Freshman students attending Otterbein College are guaranteed progression if they meet admission requirements. The highest qualified transfer students are selected for admission on a space available basis. Contact the Department of Nursing, Otterbein College, Westerville, Ohio 43081 (614-823-1614) for further information.

Theatre. Students interested in theatre or musical theatre as a major are required to audition (acting and musical theatre) or submit a portfolio (design/technology) for admission to those degree programs. Interview information and arrangements may be obtained by writing to the Department of Theatre and Dance, Otterbein College, Westerville, Ohio 43081, or by calling 614-823-1657.

Learning Disabilities. Students diagnosed as having a learning disability are asked to submit a Psychological Educational Evaluation so that the Admission Committee can more accurately determine if the College can adequately accommodate the needs of the student. Otterbein does not offer a structured Learning Disabilities program, but we do offer support to learning disabled students through the resources of our Academic Support Center. Further information about Otterbein's offerings and facilities may be obtained by contacting the Academic Support Center, Courtright Library, Otterbein College, Westerville, Ohio 43081, or by calling 614-823-1413.

D. Former Students

All former students must complete a new admission application, available from the admission office or online (no application fee is necessary.)

A former Otterbein student who has been required to withdraw must write to the appropriate council (Academic Council or Judicial Council) presenting his/her case for readmission. Transcripts must be submitted of coursework taken elsewhere during the time the student was away from Otterbein. Former students who are in good standing will then be readmitted, pay their tuition deposits **through the Admission Office**, and register for classes.

E. Transient (Visiting) Students

A transient or visiting student may enroll at Otterbein on a part-time or full-time basis for a maximum of three quarters. Transient students must complete an application for admission and the Transient Student Application (available through the Office of Admission). An official transcript from the home institution is required. Registration for classes is dependent upon course availability. After three quarters, a transient student must apply for transfer admission in order to continue at Otterbein. Transient students are strongly encouraged to consult with the home institution adviser to confirm that any prerequisite knowledge has been met and to assure transferability of the coursework to be taken.

F. Early Admit Students

A high school student who has yet to receive a high school diploma who wants to be a full-time student at Otterbein College may be admitted as an Early Admit Student. The student must complete the regular admission process, as well as provide the high school principal's recommendation and parental agreement. Early Admit Students will receive college credit but may also be fulfilling high school requirements.

G. Pre-Freshman Program

High school students who have completed two years of high school (or who have junior standing) may register for up to two courses each term at the college level under the following conditions:

A student will be admitted as a pre-freshman by the Office of Admission upon the submission of:

1. an Otterbein admission application
2. a pre-freshman application
3. a statement from the high school principal (or his/her designated representative) indicating the student's capability of doing college-level work
4. a letter of recommendation from the high school teacher in the department area of the course in which the student intends to enroll, and
5. a statement of permission signed by the parents of the student. The application must be accompanied by a transcript of all high school work. High school students must have an overall GPA of 3.0 and a GPA of 3.0 for courses taken in the academic area in which they intend to enroll. Prefreshman application packets are available in the Admission Office.

H. Graduates of Bachelor Degree Programs

Students who have already earned a bachelor's degree may enroll in Otterbein's undergraduate program by submitting an application, and a copy of all their official college transcripts including proof of graduation. Application should be made through the Office of Continuing Studies (see p. 334 of Continuing Studies section).

I. International Students

Recognizing the increasing need for understanding and good will among people of all nations, Otterbein College encourages international students to apply for admission. International students seeking admission to an Otterbein **four-year degree program**

should write to **International Student Admission, Otterbein College, Westerville, Ohio 43081, USA**, for an international student application or apply for admission online at our website: www.otterbein.edu. E-mail us at UOtterB@Otterbein.edu, or send us a facsimile to 1-614-823-1200. International students should submit the application with the following credentials:

1. ***Transcripts.*** All international students must request an official copy of their academic credentials (transcript or record of grades) from the high school attended. Copies of transcripts are also required from each institution attended since graduation from high school. The transcripts should give a complete list of courses taken, the number of weeks and the number of hours per week in lecture and laboratory for each subject, and the grades received. If possible, each copy should be accompanied by an interpretation in English of the grading system. In cases in which examination results or grades can not be released to the student, he/she should request that the proper school officials send the information directly to the International Student Admission Office. Applicants should include copies of any diplomas or certificates received or the scores from any national examination taken.

2. ***TOEFL.*** Students whose native language is not English must send an official report of a score of at least 523 on the Test of English as a Foreign Language (TOEFL), or 193 on the computer-based TOEFL, or the equivalent.

3. ***Proof of Financial Support.*** Applicants are asked to send a bank statement and/ or a sponsor's letter indicating that sufficient funds are on deposit or can be made available and will be used for the student's education.

4. ***Application Fee.*** Applicants must send a nonrefundable application fee of $30 in the form of a certified check or bank draft payable to Otterbein College.

Students transferring from another institution of higher education in the United States should write to International Student Admission, Otterbein College, Westerville, OH 43081, and ask for an International Student Advisor's Report form, which a current advisor must complete and return to Otterbein.

A World Education Services, Inc. (WES) course-by-course evaluation of all post-secondary education taken at institutions outside the United States (WES charges a fee of approximately $150 for this service, and Otterbein will reimburse the student when one term of enrollment has been completed; WES details and instructions are available at their website, www.wes.org)

The application form should be completed and returned with the other credentials required at least two months before the beginning of the term for which the student seeks admission.

Tuition Deposit

A $100 **nonrefundable** tuition deposit is required of all full-time students. For students entering in the fall term, the deposit is due no later than postmarked May 1 of the year preceding fall enrollment, or if the student is accepted for admission after May 1, the deposit is due one month after the date of acceptance. New students enrolling in Winter, Spring or Summer terms will have deposit deadlines stipulated in their letters of acceptance. By meeting the tuition deposit deadline, a student guarantees himself/ herself space in our academic program. Students requiring housing should refer to p. 329 for information about reserving housing space.

Medical/Health Record

Students choosing to enroll at Otterbein will be required to submit a medical examination form that must be completed by a personal physician and returned to our Health Center prior to starting classes. Forms will be provided to students once their tuition deposits are submitted.

Orientation

Orientation offers new students and their families an opportunity to visit with faculty, administrators and current students in order to be better prepared for the academic expectations and interpersonal opportunities at Otterbein. New students will meet fellow classmates through team interactions led by upperclass students called orientation leaders. Tours of the campus, discussions with academic advisers about course scheduling, and a taste of residence hall and dining hall life are scheduled to help new students become more comfortable with the campus. More information can be obtained by contacting the Campus Center Office, Otterbein College, Westerville, Ohio 43081 614-823-3202.

REGISTRATION

The Calendar

Otterbein College is on a quarter calendar which means that there are three quarters during the school year (September-June) plus a summer session. Each course carries credit in "quarter hours" which is related to the number of class meetings per week.

The academic calendar is adjusted each year so that the autumn quarter ends the day before Thanksgiving. A break from Thanksgiving Day until after New Year's Day is utilized by students for holiday employment, ensemble or team tours, extended personal travel, or reading and research. Faculty members are involved in research, study, and workshops and seminars dealing with intellectual topics and instructional improvement. Each quarter of the school year consists of 10 weeks and two to three days of final examinations. Summer session meets less than 10 weeks. The actual dates are announced by the preceding February of each year. Students are expected to be present for the entire quarter and final examinations.

The requirement for all degrees are based on credit hours. A one-quarter-hour course normally meets one hour per week. Students are expected to spend three hours per week (including class hours) in study for each quarter hour of credit attempted. Throughout this catalog the terms "quarter hours," "credit hours" and "hours" may be used interchangeable where applicable. The Registrar's Office maintains a website at ***www.otterbein.edu.***

Registration Policies and Procedures

Registration: Timetable and Priority

New students register for classes just prior to the term in which they enroll. Currently enrolled students typically register for the entire forthcoming academic year (Autumn, Winter and Spring Terms) during Returning Student Registration Week in the preceding May.

Priority to register for upper level classes is given in the preceding May to students with disabilities and seniors first, then juniors and then sophomores. To participate, a student must (1) be enrolled for the current Spring Quarter, (2) have paid all current academic year bills, (3) have paid the advance tuition deposit for the next academic year and (4) have no official transcripts still due the College. There is no priority registration after May. Students, including those with senior status, who register from that point on may encounter some closed courses and will likely wish to use the wait list system. A written detailed description of the wait list process is available at the Registrar's Office.

The College reserves the right to refuse registration to a student who is failing to make satisfactory progress toward his or her degree.

Late Registration

The first three days of each term are designated late registration. Returning students who have not previously scheduled any classes for the term in question will be assessed a $75 late registration fee. Newly admitted students who wait until the first week of classes to register will also be assessed a $75 late registration fee.

The penalty fee may later be appealed in writing to Academic Council if the student feels there is a valid reason for requesting such a refund. The appeal must be submitted in the same term for which the fee was assessed.

Summer Session

For students who wish to accelerate their studies, Otterbein offers a Summer Session. Courses vary in length, but most are held over an eight-week period beginning in mid-June and ending in mid-August.

Summer Session course offerings are announced around February 15 at which time registrations will be accepted. Prior to registration, students not currently enrolled at Otterbein must be admitted as regular, special, transfer or transient students.

For a list of course offerings, registration form or application for admission, contact the Office of Continuing Studies. Residence hall housing arrangements may be made by contacting the Office of Student Affairs. Meals may be purchased on a daily basis in the Campus Center.

Auditing Courses

All requests to audit courses are subject to final approval by the Registrar. Confirmation or declination will be sent shortly after the registration is processed. Among courses that may not be audited are those that consume laboratory, computer or other additional program resources and those in high demand by credit-seeking students. Demand fluctuates which means that at some point in time any course has the potential of not being available for audit. There is a tuition charge of $50 per credit hour.

Audit expectations are determined by the instructor and thus may vary from course to course. It is the student's responsibility to discuss expectations with the instructor prior to the start of the class or no later than the first class meeting. ***Changes from audit to credit or credit to audit must be made during the published add/drop period.*** Audits are graded on a satisfactory/unsatisfactory basis and appear on the transcript record with a grade of S or U. ***An audit may not be substituted for a required class... the required class must be taken for credit.***

Full-time students are not permitted to audit courses. With instructor permission, a student may unofficially sit in on a course. There is no registration, no cost and no grade is transcripted.

Repeating Courses

Courses may be repeated for credit. Repeats are subject to the following policies:

1. The repeated course must be either (a) the same Otterbein course that was originally taken or (b) the direct equivalent at another institution as determined by the Registrar's Office. When in doubt, obtain written clarification from the Registrar's Office. No other College personnel are authorized to make the clarification.
2. If a course has been transferred to Otterbein and is then repeated at Otterbein, there will be no credit awarded for the course (not even elective credit).
3. Students must inform the Registrar's Office in writing when a course is being repeated and must do so at the time of registration.
4. Courses must be repeated at Otterbein unless written permission to take the

course at another institution is obtained from the Registrar's Office. When the repeat is finished, the Registrar's Office must be notified so that the repeat can be recorded. The credit hours must be the same in order to replace the grade in its entirety.

5. Only the most recent grade and hours will be counted in determining the GPA ***even if the most recent grade is lower than the previous one.***
6. All attempts and grades will appear on the transcript record.
7. Courses repeated after graduation will not change the graduation GPA.

Change of Schedule (adding/dropping classes)

For Autumn, Winter and Spring Quarters, the deadline for adding a class that begins in the same quarter is the third day of the first week of the quarter.

There are three different deadline options for dropping an Autumn, Winter or Spring Quarter class that begins in the same quarter. The outcome is noted in parenthesis beside each option.

#1 – end of first week of quarter (tuition will not be charged and course will not be recorded on student's transcript)

#2 – end of fifth week or 25th day of quarter (tuition will be charged, but course will not be recorded on student's transcript)

#3 – end of seventh week or 35th day of quarter (tuition will be charged and student's transcript will be marked with a W)

After the seventh week or 35th day, a class may not be dropped.

Deadlines for Summer Session are comparable to those for the regular academic year, but are adjusted slightly due to the shortened weeks in the term. The specific dates are published in the Summer Session Schedule of Classes available upon request from the Office of the Registrar.

To change a schedule, the student must:

1. obtain a change of schedule form in person from the Office of the Registrar
2. when required by the Registrar, obtain advisor and/or instructor signatures
3. sign and return the form by the deadline, if any, indicated on the form

Changes may <u>not</u> be made by telephone or by notifying the course instructor.

Withdrawal From One or More but Not All Classes

Students who wish to withdraw from one or more classes that began in the same quarter but retain a partial schedule must follow the procedure entitled Change Of Schedule described elsewhere in this section.

Withdrawal From All Classes

Students who wish to withdraw from all classes that began in the same quarter must officially withdraw from the College by completing a withdrawal form at the Office of the Registrar. The withdrawal deadline is the end of the seventh week, or 35th day, of the quarter. A grade of W will be entered on the student's transcript for each course.

If a student never attends any classes or stops attending without officially withdrawing, the registration will not terminate. Grades will be assigned under the grading criteria used to evaluate all students in each course. Nonattendance and/or nonpayment of fees does not constitute official withdrawal.

Course Load/Overload

Part-time course load is defined as 1-11 hours per quarter. Full-time is 12-18 hours during Autumn, Winter and Spring Quarters and 12-15 hours during Summer Session.

For Autumn, Winter and Spring Quarters, an academic overload is 19-20 hours. An overload is permitted when the student was enrolled full-time and achieved a cumulative grade point average of 3.0 the preceding quarter. New students may not take an overload during their first quarter. No student may register for more than 20 hours in a quarter without the approval of the Associate Dean for Academic Affairs.

For Summer Session, overloads are not permitted due to the accelerated pace required for fewer weeks of study. No student may register for more than 15 hours without the approval of the Associate Dean for Academic Affairs.

Additional tuition is charged for overloads.

Prerequisites

1. Prerequisites (prereq) or corequisites (coreq) are requirements which are judged necessary for the successful completion of a course. Students who register for a course without taking the prerequisite or corequisite are subject to being withdrawn from the course by the instructor or the Registrar.
2. Waiver of the prerequisites for a course is generally discouraged but may be done occasionally on a case-by-case basis. This waiver may be granted only by the instructor of the course after that instructor's assessment of the specific student's history and experiences. Prior to granting the waiver, the instructor must be reasonably assured that the student has had courses, background experiences, or abilities which would generally be equivalent to, or serve to negate the necessity of, the prerequisites. The instructor must also be reasonably assured that the student will not be at an educational disadvantage compared to students who have completed the prerequisites.
3. Waiver of a prerequisite by the instructor does not, expressly or by implication, constitute a representation or assurance of the successful completion of the course. The student remains fully responsible for his/her performance in the course.
4. It is the student's responsibility to assure that a prerequisite has been met.

Independent Study

Independent study is an opportunity for qualified students to work in topics of special interest or areas not otherwise available through the standard curriculum. The course content is determined by the student and the faculty member collaboratively. ***A maximum of 15 quarter hours may be taken as independent study (390 course number) during a student's undergraduate career. Of that 15, no more than 10 quarter hours may be taken in the major or minor.*** The hours for Distinction Research are excluded from these restrictions. Students are required to self-monitor the independent study hours they accumulate and not exceed the 10/15 hour restrictions. Excesses will be noted by the Registrar's Office at the time the student makes application for his or her degree. At that point, however, graduation may be severely jeopardized.

Course Numbering

The numbers appearing before course titles indicate the level at which the courses are to be scheduled. Exceptions to this pattern are indicated in the descriptive material following course titles.

1. Courses numbered 100-190 are to be scheduled during the freshman year.
2. Courses numbered 200-299 are to be scheduled during the sophomore year.
3. Courses numbered 300-399 are to be scheduled during the junior year.
4. Courses numbered 400-499 are to be scheduled during the senior year.

Transferring Credit to Otterbein

Transfer Credit Policy

Otterbein accepts credits from two and four-year institutions that are fully accredited by the appropriate regional accrediting agencies. While there is no limit to the number of credits transferred from four-year institutions, a maximum of 90 quarter hours may be transferred from all two-year institutions combined.

Of the courses transferred to Otterbein from all institutions combined, a maximum of 10 quarter hours will be accepted from college correspondence courses and the same maximum will be accepted from college courses graded on a pass/fail basis.

Only those courses with grades of C- or better will be considered for transfer. Individual departments' minimum grade requirements may vary. The actual grades are not transferred and thus will not be included in the Otterbein grade point average.

Prior to the beginning of the quarter in which the student enrolls, current official college transcripts from *all* institutions previously attended must be submitted to Otterbein for evaluation. Violation of this requirement will place the student in jeopardy of dismissal. A final official transfer evaluation will be made within one term of the date you have registered for classes *and* all official transcripts are received by the Registrar.

If a student's academic credentials are from an institution outside the United States, a World Education Services, Inc. (WES) course-by-course evaluation of all post-secondary education must be provided. WES charges a fee of approximately $125 for this service, and Otterbein will reimburse the student when one term of enrollment has been completed. WES details and instructions are available at their website, www.wes.org.

Evaluations are not made until all official transcripts have been received. At the latest, the official evaluation occurs by the end of the first quarter of attendance.

All contents of the student's admission file become the legal property of the College and are not returnable or transferrable.

Credit By Examination and For Prior Learning

Students may use their intellectual interests, academic backgrounds and experience to gain college credit through the following means. ***Students are <u>not</u> permitted to take CLEP exams once they have reached <u>senior status</u> (135 or more earned hours). Also, students who have already earned Bachelor's degrees are not permitted to take CLEP exams. None of the hours may be used to fulfill the College's residency requirement.***

1. professional training credits as recommended by the American Council on Education in the *National Guide to Educational Credit for Training Programs* (maximum credit = 25 quarter hours)
2. some credit earned in the Armed Forces or the Federal Aviation Administration
3. technical credits (maximum credit = 12 quarter hours)
4. Advanced Placement Examination (AP)
5. College Level Examination Program (CLEP)
6. DANTES Test Program
7. International Baccalaureate Program (IB)
8. Otterbein academic department examination

maximum credit = 60 quarter hours

When an examination does not exist through CLEP or PEP, an Otterbein academic department may decide to develop its own method of verifying a student's knowledge of a course. If an examination is the method selected, a course syllabus and several sample questions will be made available to the student by the instructor providing the grade. A per-credit hour fee is charged for on-campus credit by examination or portfolio. An additional fee may be charged for a laboratory examination. Grading is made on a pass/fail basis. When an Otterbein exam is not successfully passed, a second attempt can only be made by taking the actual class. Failed attempts are not recorded on the transcript record.

For additional information including registration forms, contact the Office of Continuing Studies. CLEP exams and their Otterbein equivalencies are listed on the Registrar's website at www.otterbein.edu.

Advanced Placement Program

A student who receives a score of 4 or 5 on an Advanced Placement Test in high school will receive credit for the appropriate Otterbein equivalent course (see list of equivalencies at www.otterbein.edu). Proficiency rather than credit will be noted for a score of 3 for any Otterbein equivalent course except Integrative Studies courses (INST) and Mathematics (MATH) courses or their substitutes (see p. 31). Exemption from INST courses and INST substitutes requires a score of 4 or 5. Proficiency means that the Otterbein equivalent course may be skipped when it is a required, prerequisite, or co-requisite course.

Score = 4 or 5:	Credit granted for Otterbein equivalant course.
Score = 3:	Proficiency granted for Otterbein equivalent course ***except for INST and MATH courses and their substitutes.***

International Baccalaureate Program

Otterbein awards credit on a case-by-case basis for higher level examinations that match courses in the College's curriculum. A score of 5, 6 or 7 is required. An official International Baccalaureate transcript should be submitted to the Admission Office no later than spring of the senior year in high school.

Grading

Each student will receive a grade report at the end of each quarter, and a permanent transcript of all course work attempted and grades earned is maintained in the Office of the Registrar.

Grade Symbols

The following grades from letter-graded courses are included in the calculation of the grade point average (GPA). The numeric equivalents to the letter grades are in parentheses.

A =	(100 - 93%)	4.0	Exceptional
A- =	(92-90%)	3.7	Excellent
B+ =	(89-87%)	3.3	Above Average
B =	(86-83%)	3.0	Above Average
B- =	(82-80%)	2.7	Above Average
C+ =	(79-77%)	2.3	Average
C =	(76-73%)	2.0	Average
C- =	(72-70%)	1.7	Below Average
D+ =	(69-67%)	1.3	Below Average
D =	(66-60%)	1.0	Below Average
F =	(59% & below)	0.0	Failure

The following grades are not included in the calculation of the grade point average:

F = failing from pass/fail graded course
IP = coursework is incomplete; temporary condition
NR = grade not reported by instructor; temporary condition
P = passing from pass/fail graded course
R = repeated course
S = satisfactory from satisfactory/unsatisfactory graded course
T = transfer credit from another institution
TC = technical credit
U = unsatisfactory from satisfactory/unsatisfactory graded course
W = withdrawal with permission

In-Progress (IP) Grades

"IP" is the temporary symbol given when course requirements have not been met due to circumstances beyond the student's control. An incomplete grade should only be considered when the majority of the work required for the course has already been finished. The pressures of a normal academic load or the desire to do extra work in the course are not sufficient reasons for granting an incomplete.

The amount of additional time permitted might be no more than a few days or weeks since it should be proportional to the student's illness or absence, etc. while remaining fair to others who were enrolled in the course. The IP must be completed no later than the following applicable deadline or sooner if prescribed by the instructor: for Autumn IP's, the last day of the Winter classes; for Winter IP's, the last day of Spring classes; and for Spring and Summer IP's, the last day of Autumn classes.

Due to extraordinary circumstances, an IP completion deadline may be considered for extension. To receive consideration, the student (not the instructor) must submit a written request/rationale to the Vice President for Academic Affairs no later than the fifth Friday of the term the IP is due for completion.

It is the student's responsibility to contact the instructor to arrange for completion of the work, and it is the instructor's responsibility to submit the final grade. When no grade is received, the default grade previously provided by the instructor will be assigned.

Grade Discrepancies (grade changes)

Grades submitted to the Registrar's Office are considered final unless (1) evidence of an error can be presented, or (2) the student is convinced his or her academic performance was evaluated on other than an academic basis or in a prejudiced or capricious manner. Grades may not be changed by arranging to complete additional work or by meeting criteria not in accord with those applied to all other students enrolled in the course.

To appeal a grade, the student must consult with the instructor (or the department chairperson when the instructor is away from campus) no later than the following applicable deadline: for Autumn and Winter grades, the end of Week Three of the following quarter; for Spring and Summer grades, the end of Week Three of Autumn Quarter. Resolution and submission of the revised grade to the Registrar's Office must occur by the end of the 10th week of those respective quarters. Signatures of both the instructor and the instructor's department chairperson are required to change a grade.

When a grading issue cannot be resolved, the student may present evidence in writing to the Vice President for Academic Affairs indicating an error, the prejudicial basis, or the capricious manner used in evaluating his or her performance. In all cases, this step must be taken no later than five business days beyond the applicable 10th week deadline indicated in the previous paragraph. The Vice President for Academic Affairs shall consult with the student and instructor after which the appeal may be passed on to the Appeals Council for its consultation and judgment. The actual grade change, if deemed in order by the Appeals Council, shall be determined by the Vice President for Academic Affairs in consultation with the student and the instructor involved (or the applicable Department Chairperson if the instructor is unavailable).

Academic Standing

Class Standing

Class Standing is based on total credit hours earned.

CREDIT HOURS EARNED	STANDING
0 through 44	Freshman
45 through 89	Sophomore
90 through 134	Junior
135 and up	Senior

Good Standing

A student who maintains the minimum cumulative grade point average on a 4.0 scale as required on the chart below is in good academic standing.

Retention, Probation, Suspension, Dismissal, Satisfactory Academic Progress

Retention–All students shall be reviewed for retention or other appropriate academic action at the end of each quarter. This review is based upon the number of earned

hours or quality hours (whichever is greater) the student has accumulated as required on the chart that follows:

Earned Hours/Quality Hours (whichever is greater)	**Minimum Cumulative GPA**
1-20	1.00
21-30	1.40
31-50	1.70
51-65	1.85
66-270	2.00

Probation–Academic Probation occurs when a student's cumulative grade point average is below the minimum levels established on the chart above. Students placed on Academic Probation are required to meet the academic requirements of their probation and be in good standing within two quarters.

Suspension–Suspension occurs when a student earns less than a 2.0 term grade point average while on Academic Probation. A student will also be suspended when failing to gain good standing in the prescribed period. The first time a student is suspended, the student may apply for readmission after remaining out of school for at least one quarter. A student suspended for the second time must remain out of school for at least one year before applying for readmission. Credits earned at another school while a student is under academic suspension cannot be applied toward graduation at Otterbein. All readmission applications must be submitted to the Office of Admission and acted upon by Academic Council. Other information or steps may be required prior to consideration for readmission as determined by Academic Council. Readmission is not guaranteed.

Dismissal–Dismissal occurs when a student is suspended for the third time. Dismissal is permanent.

Satisfactory Academic Progress—Students who fail to make ***satisfactory academic progress*** are subject to the loss of federal financial aid. Satisfactory academic progress is defined as achieving earned credit hours in a least two-thirds of all credit hours attempted. Courses in which IP's, R's and W's are received are considered attempted credit hours. Students who fall below the defined standard for satisfactory academic progress will be warned in writing. Students who receive a warning will have to be in compliance with the defined standard within two quarters or federally-funded financial aid will be forfeited. Warnings are issued as a courtesy; students must assume full responsibility for monitoring their own satisfactory academic progress. The College reserves the right to refuse registration to students who are failing to make satisfactory academic progress toward their degrees.

Academic Appeals

Through the Academic Council, which is a standing committee of the College Senate, an avenue for appealing academic policies is provided all students. Details regarding the appeal process are available from the Office of Academic Affairs. Minutes of past Academic Council meetings are on file in the Library.

Commencement

The undergraduate commencement ceremony is held in June and all graduates (Summer, Autumn, Winter and Spring) are invited to participate. In recent years, guest seating has been limited to seven tickets per graduate.

To participate, a student must:

1. complete all academic degree requirements, and
2. submit a completed Application for Degree (see Applying For a Degree on p. 24), and
3. submit any additional paperwork as required in the Application for Degree, and
4. meet all outstanding financial obligations.

As the commencement ceremony approaches, detailed information will be made available to all students who have applied for graduation. This same information is available at any time on the Registrar's website, ***www.otterbein.edu.***

Transcripts

Copies of official transcripts may be obtained for a nominal fee from the Registrar's Office. An official transcript cannot be provided when there is an outstanding bill or a loan in default. Requests are filled within five business days. Order forms are available on campus or on the Registrar's website, ***www.otterbein.edu.***

Tuition and Financial Assistance

Schedule of Fees for Academic Year 2005-06

(Fees are adjusted annually to reflect current costs.)

	Term	Annual
Tuition (full-time)	$7,506	$22,518
Room (standard plan)	$ 998	$ 2,994
Board	$1,158	$ 3,474
Tuition (part-time)		
Undergraduate		$ 270 crhr
Graduate MAE, MAT, MSN		$ 284 crhr
Graduate MBA		$ 308 crhr
Audit		$ 55 crhr
Overload (over 18 hrs in a term)		$ 270 crhr
Applied Music Fees		
MUSC 460's		$ 250 course
MUSC 470's		$ 500 course
MUSC 480's		$ 500 course
Equine Science Program Fees		
EQSC 110, 120, 130, 295, 296, 301, 302, 311, 320, 350		$ 615 course
EQSC 250, 330		$ 310 course
Student Teaching Fee		
EDUC 410, 470, 471		$ 250 course
Late Registration		$ 75
Withdrawal Fee (when applicable)		$ 100
Transcript (currently enrolled)		$ 1 ea
Transcript (not currently enrolled)		$ 5 ea

A complete list of fees may be accessed via the College's website *www.otterbein.edu*. Click Resources, then Business Office, then Fee Schedule and then the PDF file. Otterbein reserves the right to change these rates within the period covered by this catalog.

Payment of Fees

All fees and charges are due by the end of the first day of classes for each term.

At the time a student formally registers for classes, either by signing and submitting the appropriate registration forms to the Registrar's Office or by registering on-line through the College's website, the student agrees to abide by the College's official policies concerning the adding and dropping of classes and complete withdrawal from the College. The student also agrees to assume the responsibility for understanding the College's official policy concerning schedule changes and satisfactory academic progress which may result in additional charges or the loss of eligibility for certain types of financial aid. It is considered the student's responsibility to understand how these changes can affect his/her financial situation with regard to financial aid eligibility.

All accounts not paid in full by the end of the first day of each term are subject to a late payment fee in addition to monthly interest at a rate of 1.5 percent per month. Loan funds or any other sources of financial aid not received by the first day of each term are subject to late charges and interest. Therefore, all loans should be applied for prior to July 1 to help ensure timely receipt.

All accounts must be paid in full (and loan exit interviews completed) in order for students to enroll in succeeding terms or to receive copies of certificates, diplomas and transcripts. Otterbein reserves the right to recover all costs involved with the collection and/or litigation of delinquent accounts.

If an account must be sent to collection or litigation due to nonpayment of the outstanding balance, the College reserves the right to demand payment in full of subsequent terms of enrollment, prior to the beginning of each term to ensure enrollment. The College reserves the right to cancel the registration of any student if a balance due from a previous term remains unpaid at the start of a subsequent term.

Student receivable accounts are considered to be educational loans provided for the sole purpose of financing an education at Otterbein College, a non-profit institution of higher learning. As such, student receivable accounts are not dischargeable under the provisions of the laws governing either Chapter 7 or Chapter 13 bankruptcy actions.

The college reserves the right to demand payment in the forms of a certified check, money order, cash, or credit cards in the event that one or more checks have been returned unpaid for any reason.

Fee Payment Plans

Meeting the expense of a college education is one of the larger investments made by most families. We at Otterbein understand the unique financial needs that often stand in the way of paying these expenses without dipping into life savings or going into debt with high-interest-rate loans. For this reason, students may elect one of the two types of plans for payment of comprehensive fee charges.

1. Pay for each term according to the schedule of fees and due dates as illustrated in the payment of fees.
2. Enroll in the College's payment plan which allows students and their families to budget their expected costs into monthly payments. Information about the various payment plan options is available on-line on the College's website.

Refund Schedule for Tuition, Room and Board

A refund schedule has been established for those students who withdraw from the College. The date used by the Business Office in the withdrawal refund/adjustment calculation is the official date of withdrawal as determined by the Registrar's Office. Application fees, laboratory fees, tuition deposit, applied music fees, and other similar charges are not refundable. The basic refund schedule for Autumn, Winter and Spring quarters is:

Withdrawal received in writing or in person by 7 p.m. on the Monday following the first week of the quarter	*100% of fees due or paid*
Withdrawal received in writing or in person by 7 p.m. on the Monday following the second week of the quarter	*70% of fees due or paid*
Withdrawal received in writing or in person by 7 p.m. on the Monday following the third week of the quarter	*60% of fees due or paid*
Withdrawal received in writing or in person by 7 p.m. on the Monday following the fourth week of the quarter	*40% of fees due or paid*
Withdrawal received in writing or in person by 7 p.m. on the Monday following the fifth week of the quarter	*20% of fees due or paid*
Withdrawal received in writing or in person on the Monday following the sixth week of the quarter	*10% of fees due or paid*
Withdrawal after the sixth week of class	*No refund*

All financial aid recipients who receive a refund as a result of withdrawal may be subject to a Title IV refund calculation. The allocation of funds must follow those outlined by federal regulations. ***Anyone who has received a federal Stafford or Perkins Loan must complete an Exit Interview.***

The official refund schedule for Summer Session, interterm classes and workshops will be published in the appropriate schedule of classes.

Adjustments to full-time charges are made only during the add/drop period if a student adjusts his/her schedule. No adjustments to full-time charges are made after the add/drop period unless a student withdraws from the College entirely.

If a student withdraws or is expelled from Otterbein Colege, then the school or the student may be required to return some of the federal funds awarded to the student.

If a student will be withdrawing, the student must notify the Otterbein Registrar's Office and complete a withdrawal form. This procedure will allow a refund of the maximum possible charges.

Otterbein's Refund Policy exists for calculating the refund of institutional charges and assistance. Students who withdraw from the College will receive a pro-rated refund

of educational and room/board fees due or paid, according to the Refund Schedule on page 278. The date used by the Business Office in the withdrawal refund/adjustment calculation is the official date of withdrawal as determined by the Registrar's Office.The refund calculation for state assistance also follows this refund schedule, unless otherwise specified. The federal "Return of Title IV Funds" formula dictates the amount of Federal Title IV aid that must be returned to the federal government by the school and the student.

RETURN OF TITLE IV FUNDS- A statutory schedule is used to determine the amount of Title IV funds a student has earned as of the date he or she ceases attendance. The amount of Title IV program assistance earned is based on the amount of time the student spent in academic attendance and has no relationship to the student's incurred institutional charges. Up through the 60% point in each payment period or period of enrollment, a pro rata schedule is used to determine the amount of Title IV funds the student has earned at the time of withdrawal. After the 60% point in the payment period or period of enrollment, a student has earned 100% of the Title IV funds.

If a recipient of Title IV grant or loan funds withdraws from the College after beginning attendance, the amount of grant or loan assistance earned by the student must be determined. If the amount disbursed to the student is greater than the amount the students earned, unearned funds must be returned. If the amount disbursed to the student is less than the amount earned, and for which the student is otherwise eligible, he or she is eligible to receive a post-withdrawal disbursement of the earned aid that was not received.

Title IV funds are awarded to a student under the assumption the student will attend school for the entire period for which the assistance is awarded. When a student withdraws, the student may no longer be eligible for the full amount of Title IV funds that the student was originally scheduled to receive.

Title IV funds generally include Pell Grant, Supplemental Educational Opportunity Grant, Perkins Loan, Stafford Student Loan and Parent Loan for Undergraduate Students.

EXAMPLE:

The percentage of financial aid that is due to the student ("earned financial aid") is equal to the period of enrollment that the student completed as of the student's date of withdrawal from Otterbein College, if this date occurs on or before completion of 60% of the period of enrollment. If the student's withdrawal date occurs after the completion of 60% of the period of enrollment, the aid due to the student ("earned financial aid") is calculated at 100%.

For example: A student enrolls at Otterbein College for the Fall 2003 quarter. The student decides to withdraw completely from Otterbein College on September 30, 2003. The total calendar days during Fall 2003 equal 73. The student withdrew on day 15 of 73. (15 divided by 73 = 20.5) Therefore, the student is able to keep 20.5% of the federal financial aid to help pay the charges for Fall 2003. The remaining 79.5% of the federal financial aid must be returned to the appropriate source in the order listed below:

1) Unsubsidized Federal Stafford Loan
2) Subsidized Federal Stafford Loan
3) Perkins Loan
4) Parent Loan for Undergraduate Students (PLUS)
5) Federal Pell Grant
6) Federal SEOG

Other non-federal aid would be retained according to the published refund schedule and the fall bill would be adjusted accordingly.

Otterbein's Financial Aid Programs

Otterbein's financial aid programs are based upon the following principles:

1. Otterbein is committed to making your education financially attainable through scholarships, awards, grants, loans and work programs.
2. Academic scholarships earned by the student are awarded for four years of study, Autumn through Spring quarters, provided the student meets the crite ria of the award.
3. Merit-based scholarships may reduce self-help for students who also receive need-based assistance.
4. Need-based Financial Aid Awards will have loan and work-study compo nents.

More than 80 percent of our full-time students receive some form of need-based financial assistance. We believe that our financial aid policy helps make an Otterbein education reasonably affordable to students from all economic levels.

Satisfactory Academic Progress (SAP)

Students who fail to make ***satisfactory academic progress*** are subject to the loss of federal financial aid. Satisfactory academic progress is defined as achieving earned credit hours in a least two-thirds of all credit hours attempted and maintain the cumulative grade point average (GPA) outlined below. Courses in which IP's, NR's and W's are received are considered attempted credit hours. Students who fall below the defined standard for satisfactory academic progress will be notified in writing. Warnings are issued as a courtesy; **students must assume full responsibility for monitoring their own satisfactory academic progress.** The College reserves the right to refuse registration to students who are failing to make satisfactory academic progress toward their degrees.

Federal regulations require that Otterbein College monitor the academic progress of students who apply for and/or receive federal financial aid. To remain eligible for financial aid, recipients are required to show satisfactory academic progress towards a degree, according to the qualitative and quantitative requirements listed on page 293.

Any appeal to an academic progress decision may be submitted to Academic Council through the Academic Affairs Office no later than four weeks prior to the start of the quarter. The decision of Academic Council may allow students to have up to two quarters of probation.

Undergraduate Students

- Students enrolled in an undergraduate program (B.A., B.S., B.F.A., B.M.E., B.MUS, B.S.E., B.S.N.)
- New freshmen and transfer students beginning the first quarter of enrollment.
- Continuing students applying for financial aid but who have never received aid.

Undergraduate students will be evaluated at the end of Spring Quarter on the basis of the following three criteria:

1) Your grade point averages will be monitored according to college guidelines.

Earned Hours/ Quality Hours (whichever is greater)	**Minimum Cumulative GPA**
1-20	1.00
21-30	1.40
31-50	1.70
51-65	1.85
66-270	2.00

2) The number of hours you have attempted vs. the number of hours you have successfully completed will be reviewed. You must successfully complete at least 67% of the hours you attempt. Courses in which IP's, NR's and W's are received count in the total attempt.

3) You must complete your academic program within a reasonable time-frame, not to exceed 150% of the published length of the program. A student must meet all graduation requirements by the time the 270th hour has been attempted. All periods of attendance will be counted toward the maximum time frame and the qualitative component.

Graduate Students (M.A.E., M.A.T., M.S.N., M.B.A.)

Graduate students are considered to be making satisfactory academic progress for purposes of financial aid eligibility only if they are in good academic standing with the college. The policy also includes a quantitative measure (percentage of courses completed) and a maximum time frame not to exceed 150% of the published length of the program measured in academic years or terms of enrollment.

Non-Aid Recipients

The federal government requires that Otterbein College monitor the academic progress of non-recipients, too. Be aware that your academic progress during any term in which you do not have financial aid will be a factor in determining your eligibility for aid in subsequent terms.

Merit-Based Assistance

Otterbein offers a number of scholarships, based on academic ability, talent, and leadership potential. Below is a list of those scholarships and awards. With the exception of Department Scholarships and several endowed scholarships, all scholarships are offered to students at the time of initial acceptance to the College. Merit-based awards are offered without regard for financial need to full-time students for a duration of four years. Institutional merit-based awards will not exceed tuition. Priority is given to students who apply by March 1.

President's Scholar Awards: $11,000—All first-time freshmen and transfer students identified as Otterbein Scholars (see below) who have demonstrated outstanding scholarship and leadership will be invited to compete for these scholarships through a special application and essay evaluation. The application deadline for President's Scholar Awards is March 1. The application review process begins November 1; priority is given to early applicants. All President's Scholar Awards will supersede Otterbein Scholar Awards. Recipients must maintain fulltime enrollment and a yearly college grade point average of 3.0 or better to retain the award.

Otterbein Scholar Awards: $7,000—These are awarded to first-time freshmen and transfer students who are in the upper 10 percent of their high school classes ***or*** who have a 3.5 or better grade point average on a 4.0 scale, ***and*** an ACT composite score of 24 or higher ***or*** a total of 1100 or higher on the SAT. Transfer students must have a 3.0 transfer g.p.a. Recipients must maintain fulltime enrollment and a yearly college grade point average of 3.0 or better to retain the award.

Otterbein Scholar Awards: $5,000—These are offered to first-time freshmen and transfer students who are in the upper 20 percent of their high school classes ***or*** who have a 3.4 or better grade point average on a 4.0 scale, ***and*** have an ACT composite of 22 or higher ***or*** a total of 1050 or higher on the SAT. Transfer students must have a 3.0 transfer GPA Recipients must maintain fulltime enrollment and a yearly college grade point average of 3.0 or better to retain the award.

Endowed Scholarships—Endowed scholarships are provided through the generosity of alumni and friends who have a desire to help students attain an Otterbein education. There are more than 150 endowed scholarships ranging in value from $800 to $1,500 per year. Endowed scholarships are awarded on the basis of academic ability, extracurricular activities and a written essay. Recipients must be enrolled as full-time students and maintain satisfactory progress toward a degree to retain the award. Applications are available from the Office of Admission.

Ammons-Thomas Awards—The Ammons-Thomas Award is named for Bishops Edsel A. Ammons and James S. Thomas of the Ohio United Methodist West and East Conferences. Ranging in value from $500 to $5,000 per year, these awards are offered to qualified students of color after acceptance to the College and an evaluation of a written essay. A limited number of Distinguished Ammons-Thomas Awards of up to one-half tuition are also available to outstanding students. Recipients must maintain fulltime enrollment and satisfactory academic progress toward their degrees. Applications are available from the Office of Admission.

International Baccalaureate Scholarships—Scholarships ranging from $1,000-7,000 are awarded to recognize participation in the International Baccalaureate Programme. The amount is determined by level of achievement and on an individual basis, $7,000 will be awarded to those who achieve the IB diploma; $1,000 for each IB certificate earned up to a total of five.

Zoo Scholar Awards—Zoo Scholar Awards are academic awards available to first time freshmen and transfer students who have completed a mimimum of one-full year at an approved Zoo School (i.e. The Columbus Zoo and Aquarium School, The Lincoln Nebraska Zoo School, Cincinnati Zoo Academy, Minnesota Zoo School) around the country. Zoo School Award recipients must meet all criteria outlined in the Zoo Scholar Award application. These awards range from $4,000 to $7,500 yearly. Recipients must maintain fulltime enrollment and a yearly college grade point average of 3.0 or better to retain the award. Students must major in Chemistry, Biochemistry, Molecular Biology, Life Sciences (all majors), Environmental Science, Equine Science, Physics, Individualized Degree (with a science focus) or Math/Computer Science to be eligible. Contact the Office of Admission for more details.

National Merit Finalist Awards—National Merit Awards of $2,000 are offered to students who have been recognized through the National Merit Scholarship Selection Process.

Battelle Scholarships—The Battelle Scholarship is awarded to incoming first-time freshmen who show unusual leadership potential and intellectual promise. The scholarship is worth one-half the cost of tuition. The award is renewed annually providing the recipient maintains fulltime enrollment and a 3.0 grade point average. To be eligible to apply for the Battelle Scholar Award, a student must live in or have graduated from a high school in either Delaware, Fairfield, Franklin, Licking, Madison, Pickaway or Union counties of Ohio. Application materials may be obtained from the Office of Admission upon request and must be completed and returned to that office by March 1.

Community Service Awards: $1,500—Community Service Awards are awarded to incoming first-time students who have demonstrated commitment to community service and scholarship during high school, and agree to coordinate a community service program while at Otterbein.

Department Scholarship Awards—Otterbein's academic departments award scholarships to upperclass students who qualify on the basis of criteria established by each department. For application information, students should contact individual department chairpersons.

Legacy Awards—Legacy Awards of $1,000 are given to each accepted student whose parent(s) or grandparent(s) attended Otterbein for at least two consecutive quarters.

Premier Departmental Awards—Premier Departmental Awards of $1,000 are awarded by various academic departments to talented prospective students who intend to be majors in the department.

Deans' Awards—Deans' awards of $1,000 to $4,000 are offered to students who demonstrate leadership and involvement in high school and community services while maintaining a good academic record.

Talent Awards—Talent awards of $500 to $4,000 are given to incoming students who demonstrate outstanding ability and potential in visual art, music, communication and theatre. Talent awards are renewable for a maximum of four years of fulltime enrollment and subject to satisfactory performance as assessed by the department. Information about auditions and dates can be found on our website.

Music—Students who plan to seek a major in music or music education are eligible to be considered for music talent awards. An audition is required. Information about auditions and dates may be obtained by writing to: Chairperson, Department of Music, Otterbein College, Westerville, Ohio 43081, or call (614) 823-1508.

Music Participation—Students who are non-music majors are eligible to be considered for music participation awards. An audition is required. Information about audition dates may be obtained by writing to: Chairperson, Department of Music, Otterbein College, Westerville, OH 43081, or call (614) 823-1508.

Musical Theatre—Talent awards are available to students planning to pursue the interdisciplinary degree in musical theatre. Awards are based on ability, potential, and previous experience. An audition is required. For information about audition dates, write to the Department of Theatre and Dance, Otterbein College, Westerville, OH 43081, or call (614) 823-1657.

Communication—Awards are available to students planning to major in communication, broadcasting, business/organizational communication, journalism, organizational communication or public relations. Awards are based upon high school record, test scores, communication-related activities and completion of an essay. To be eligible for consideration, a student must be accepted to Otterbein. For information, please write: Chairperson, Department of Communication, Otterbein College, Westerville, Ohio 43081, or call (614) 823-1752.

Theatre—Talent awards are available to students planning to seek a major in the Department of Theatre and Dance. Awards are based on ability, potential, and previous experience. An audition or portfolio review is required. For information about interview dates, write to the Department of Theatre and Dance, Otterbein College, Westerville, Ohio 43081, or call (614) 823-1657.

Dance—Talent awards are available to students planning to seek a minor in dance in the Department of Theatre and Dance. Awards are based on ability, potential, and previous experience. An audition is required. For information about audition dates, write to the Department of Theatre and Dance, Otterbein College, Westerville, OH 43081, or call (614) 823-1657.

Art—Awards are made to students planning to major in visual arts. Selections are based on the evaluation of a portfolio submitted by the student and an interview.

For information, please write to: Chairperson, Department of Art, Otterbein College, Westerville, Ohio 43081, or call (614) 823-1508.

United Methodist Scholarships—There are United Methodist Denominational and Conference Scholarships for United Methodist students available each year. A number of these scholarships are awarded to Otterbein students each year. Applications may be obtained from The Financial Aid Office, Otterbein College, Westerville, Ohio 43081, or call (614) 823-1502.

Bridge Scholarships—Given to fulltime students transferring from community colleges with an earned Associate of Arts (A.A.) degree. Students with an A.A. and a 3.5 or better grade point average on a 4.0 scale receive $4,000 per year. Students with an A.A. and a 3.0 to 3.49 grade point average on a 4.0 scale receive $3,000 per year. Scholarships are renewable annually for a total of two years.

Otterbein Transfer Scholar Awards—Traditional-age transfer students who have attempted at least 12 quarter hours or 18 semester hours of coursework and who have earned a transferrable GPA of 2.8 or higher will receive a $2,500 Otterbein Transfer Scholar Award. This award is renewable during the regular academic year and is based on full-time enrollment. *(If you qualify for an Otterbein Scholar Award or Bridge Scholar Award, you would receive one of those awards rather than this transfer award.)*

R.O.T.C. Scholarships—Air Force ROTC and Army ROTC offers four-, three-, and two-year scholarships. The four-year scholarship is applied for during the senior year in high school. Three- and two-year scholarships are offered to qualified men and women in college and are available in every major. The benefits provided by scholarships may include full payment of tuition, $600 per year for textbooks, and a monthly tax-free allowance of between $250 and $400. Upon entering the Professional Officer Course (POC), all cadets (scholarship and non-scholarship) receive the $350 per month tax-free allowance. This information is subject to change.

Through cooperative agreements, students attend Air Force R.O.T.C. classes at nearby Ohio State University and Army R.O.T.C. classes at nearby Capital University.

Scholarship applications and additional information may be obtained by contacting Ohio State at (614) 292-5441 or Capital at (614) 236-6649.

Need-Based Assistance

To be considered for need-based financial aid, each student must file a Free Application for Federal Student Aid (FAFSA). Students accepted through the Office of Continuing Studies must also complete the Otterbein College Institutional Aid Form (IAF). There is a financial aid priority filing deadline date of April 1. The FAFSA may be obtained from your high school guidance counselor, the Otterbein Financial Aid Office or completed online through a link at www.otterbein.edu or www.FAFA.Ed.gov.

Financial aid may consist of single or combined offers of non-repayable scholarships and grants, loans and part-time campus employment. By filing the FAFSA, you will be considered for all need-based financial aid offered by the College. The total grant and merit assistance from Otterbein will not exceed tuition. Continuing Studies students must also complete an Institutional Aid Form (IAF).

Federal Grants and Stafford Student Loans are awarded to eligible students during any period of enrollment, including summer. College funds (need based or scholarships) are not available for students attending in the summer, or less than full-time. Financial aid is awarded with the expectation that it will be renewed annually on the basis of funds available, academic progress toward a degree, eligibility, and continued financial need. The FAFSA must be updated and submitted each year in order to renew aid. **The suggested timeline for applying for financial aid is between January 1 and April 1 of the year preceding enrollment.**

Below is a description of the types of financial aid offered or administered by Otterbein College. For further information about financial aid write to: Office of Financial Aid, Otterbein College, Westerville, Ohio 43081, or call (614) 823-1502, or toll free at 1-888-OTTERBEIN, or E-mail at Financial Aid@Otterbein.edu.

Grants

The grants listed below are applicable to the student's first undergraduate degree only. Students must be degree-seeking.

Otterbein Grants—Otterbein Grants are College funds awarded to students on the basis of demonstrated financial need to full-time undergraduate students Completion of the FAFSA is required. The Otterbein College Institutional Aid Form (IAF) is also needed for Continuing Studies students and Graduate students.

Sibling Grants—When two or more dependent sibling students are enrolled full time concurrently at Otterbein College, each student will receive a grant of $1,000 for each year of concurrent enrollment.

Otterbein United Methodist Ministerial Grants—Dependent sons and daughters of United Methodist clergypersons who are probationary members, elders in full connection and Deacons in full connection, are assured total grants from all sources valued at one-half tuition.

State Grant Programs—Ohio residents may receive Ohio Instructional Grants (OIG) of up to $5,466 per year. Application is made by completing the state information request on the FAFSA. Students who are residents of Connecticut, Delaware, Pennsylvania, Rhode Island and Vermont may receive state grants which may be used to help meet educational costs at Otterbein College. Students from these states should contact their high school guidance counselors for further information.

Ohio Student Choice Grant—Residents of the state of Ohio who attend Otterbein on a full-time basis and have not attended an institution of higher education full-time before July 1, 1984, are eligible to receive The Ohio Choice Grant which has ranged from $900-1,100 per year.

Federal Pell Grant—This is a federal program through which an undergraduate student may receive for the academic year up to a maximum yearly grant of $4,050. Application is made by completing the FAFSA. The Federal Pell Grant is available to all levels of enrollment if student is eligible.

Federal Supplemental Education Opportunity Grants—A limited number of students who demonstrate a high degree of financial need are awarded the Federal Supplemental Educational Opportunity Grants (FSEOG).

Loans

Federal Perkins Loan—The Federal Perkins Loan Program is funded by both the College and the federal government. Low-interest, long-term loans are awarded on the basis of exceptional financial need. Interest is not charged while the student is enrolled at least half-time (six credit hours). Repayment begins nine months after graduation or termination of at least half-time enrollment. The loan is repaid in installments with a minimum payment of $40 per month ($480) per year. The maximum repayment period is 10 years, though smaller loans (under $3,600) will be repaid sooner. The current interest rate is five percent.

Federal Stafford Loan—Subsidized and/or Unsubsidized Federal Stafford Loans are available to all students enrolled in at least a half-time basis (six credit hours). These loans are financed through participating lending institutions such as banks, credit unions and savings and loan associations, and are insured by the government. The interest rate for new borrowers is variable and is set once a year. First-time borrowers should complete the Federal Loan Request Form and choose one of our preferred lenders.

Under the subsidized loan program, the federal government pays the interest for eligible need-based students while they are enrolled in at least a half-time basis. Students who do not have demonstrated need or full interest subsidized aid eligibility may borrow from the Unsubsidized Federal Stafford Loan Program. The student is charged loan origination and guarantee fees for each loan that is made. A maximum of $2,625 may be borrowed annually for the first year of undergraduate enrollment and $3,500 the second year then a maximum of $5,500 a year for the last two to three years of school. The total borrowed for dependent undergraduate study cannot exceed $23,000.

Federal PLUS Loans—PLUS (Parent Loans for Undergraduate Students) loans are available to parents of dependent undergraduate students regardless of demonstrated need restrictions. These loans are financed through participating lending institutions such as banks, credit unions and saving and loan associations.

An amount up to the difference of the cost of education minus financial aid may be borrowed each year. The interest rate is variable, adjusted each year.

Repayment of PLUS generally must begin 60 days following the final disbursement. The lender will provide additional repayment details.

PLUS borrowers should complete the Parent Loan Request Form and select a preferred lender from our list.

Additional Loan Programs

United Methodist Student Loan—Offerings received from the annual United Methodist Student Day provide loan funds for United Methodist students. The annual maximum loan is $1,000 with interest at six percent charged each year from the date the loan is granted until repaid in full. A student may borrow once per calendar year. No more than $6,000 may be borrowed during the student's entire educational program. Loan checks are made payable to the student and are issued only after the student is in classroom attendance at the college.

Interest accrues from the date the loan check is issued and continues until the loan is paid in full. Monthly repayment of the loan plus interest begins six months after graduation or withdrawal and may be extended no more than 120 months from date first payment is due. A deferment may be arranged if the borrower returns to school in an accredited program.

To be eligible for a loan, an applicant must have been received into full membership in the Church for at least one year prior to application, be a citizen of the United States or have permanent resident status and have a C grade average or better. Loans are available to undergraduate and graduate students.

Applications may be obtained from the Financial Aid Office. Additional information may be found at www.gbhem.org.

Henry Strong Loan—The Henry Strong Educational Foundation provides a limited number of loans to students with financial need. Eligibility for the loan is determined by the Financial Aid Special Circumstance Committee and bears an interest rate of five percent.

The Henry Strong Loan may be granted to students under the age of 30. The amount of the loan is dependent upon need, the students personal resources, and available funds from other sources. The Foundation expects a student who has to borrow to use every means possible—scholarships, summertime employment, school jobs, etc.—to keep the amount a student must borrow to a minimum. A loan from this fund cannot be consolidated with any other loan program.

Pifer and Schell Loan—Pifer and Schell Loans are college-based, short-term loans made to students in emergency situations. Based on fund availability, the loan is approved after the student's request is reviewed by the Financial Aid Special Circumstance Committee.

Alternative Loans—Additional private loans are available to students and families through a variety of participating lending institutions. Information and a preferred lender list are available by contacting the Office of Financial Aid, Otterbein College, Westerville, OH 43081 or at the College website, www.otterbein.edu.

Employment

Federal College Work-Study—This program is funded jointly by the College and the federal government and provides part-time employment to students who demonstrate financial need. Selection of the recipients and determination of the amount each student may earn during the academic year is made by the Financial Aid Office. Students may

work up to 20 hours per week during the Autumn, Winter and Spring terms and up to 40 hours per week during vacation periods. Students are paid once a month by check for actual hours worked.

Job openings are posted in the Campus Center. Students should apply for jobs soon after the beginning of classes. Employment is available in such departments and offices
as the bookstore, library, maintenance department, physical education center, residence halls, faculty and administrative offices, and community service sites.

Non-Federal College Work-Study—This program is funded entirely by the College and provides part-time employment primarily to students who do not demonstrate financial need. A limited number of jobs is available during both the academic year and the summer on a first-come, first-served basis. Students employed under this program must be enrolled as full-time in the undergraduate program (12 or more credit hours per term) and may not have previously received bachelor's degrees.

Additional Financial Aid Sources

Ohio Academic Scholarship—Ohio Academic Scholarships are awarded by the Ohio Board of Regents to high school seniors who qualify on the basis of competitive academic credentials. The scholarship is renewed annually providing the recipient maintains satisfactory academic progress. Specific information may be obtained by contacting your high school counselor.

Ohio National Guard Scholarship—Ohio National Guard Scholarships are available to eligible students who enlist in the Ohio Air or Army National Guard for a period of six years. The scholarship is renewed annually providing the recipient maintains fulltime enrollment and satisfactory academic progress. Information may be obtained by contacting the Ohio National Guard, Adjutant General's Department, 2825 West Granville Road, Columbus, OH 43234-2712.

Vocational Rehabilitation Benefits—Benefits are available to eligible students who have disabilities that are considered a handicap to employment. Specific information may be obtained by contacting the local State Bureau of Vocational Rehabilitation Office. Recipients must notify the Financial Aid Office annually regarding their eligibility.

Ohio War Orphans Scholarships—Ohio War Orphans Scholarships are available to eligible children of disabled or deceased war veterans and children of persons declared prisoners of war or missing in action in Southeast Asia. The scholarship is renewed annually providing the recipient maintains satisfactory academic progress. Specific information may be obtained by contacting the Ohio Board of Regents—(614) 466-7420 or (888) 833-1133, or by visiting www.regents.state.oh.us.

Veterans Benefits—Benefits are available to eligible veterans of the Armed Forces and eligible spouses, widows, widowers and children of veterans who died or are permanently and totally disabled as a result of service in the Armed Forces. Contact your veteran's administration center for additional details.

Employee Benefits—Many corporations and small companies offer financial aid benefits to employees or their children. Often these sources are overlooked by students and their families. For more information contact the personnel office or supervisor of your employer.

Otterbein I Know I Can Grant—Students who attend high schools in the Columbus Public School System may be eligible to receive a grant. Contact the I Know I Can Program, Columbus Public Schools, Columbus, OH 43215— (614) 469-7044.

The Tuition Exchange Inc. Scholarships —Full tuition scholarships may be available to eligible students whose parents work for a college or university that is in good standing with The Tuition Exchange, Inc. For more information, contact the TE Liason Officer at your parent's school or visit the following web site: www.tuitionexchange.org.

CAMPUS LIFE

Student Services

Center for Student Involvement

Involvement in activities and academic experiences outside of the traditional classroom are a part of student life and learning in college. The Center for Student Involvement sponsors and supports programs and services that provide opportunities for students to learn about themselves, others and develop into independent adults. Several offices and programs within the Center for Student Involvement achieve these goals: Office of Student Activities, Orientation, Common Book Program and the Campus Center.

Student Activities

The Office of Student Activities sponsors programs that help students become involved on campus. The Campus Programming Board (CPB) plans a broad spectrum of special events including movie nights, trips to local Columbus attractions, speakers, multicultural activities such as trips to ethnic restaurants and festivals, special events like comedians and novelty acts and traditional events such as Homecoming, Little Sibs Weekend and Winterfest.

Special programs and services for Commuter Students are offered throughout the year. Brown Bag Lunches occur weekly to help acquaint commuter students to one another and the campus. Additionally, guest speakers and events occur in the Commuter Lounge, located in the basement of Towers Hall. Programs such as Community Connections and Peer Connections help establish a direct link for commuters with the residential population on campus.

Leadership initiatives are coordinated by the Office of Student Activities. The Emerging Leaders Institute introduces concepts of leadership development to first-year students through a series of speakers, workshops and team-building activities.

Otterbein sponsors over 90 organizations and activities for the student body. The list is long and options plentiful; however, there is always room to add more student organizations. Students who are interested in starting a new student organization can contact the Student Activities Office in the Campus Center.

Social Activities

Sororities and Fraternities

The Greek Community at Otterbein College plays an integral role in the institution's total educational program. Recognizing that membership in a fraternity or sorority can be a positive and educational experience, the College expects Greek organizations to share in the responsibility for making significant, positive contributions to the educational and personal development of present and future student generations.

Otterbein College has had a long and rich relationship with its collegiate fraternities and sororities. As an important component of the co-curricular programs for undergraduate students, Greek chapters have supported the central mission of the College by providing an enriched out-of-class living/learning experience. Fraternal organizations (the words "fraternal" or "fraternity" refer to both men's and women's

Greek letter organizations) have existed on the Otterbein campus since 1908, and are characterized by a tradition of involvement and leadership in campus life.

The College has been supportive of the ideals and goals of individual chapters and, collectively, a Greek community. The organizational ideals and goals promote personal development and a strong sense of identity with the institution as well as postgraduate association. The ideals and goals include scholarship, leadership, community service, individual and group initiative, self-governance, and an array of interpersonal and social skill development. Thus, the central purpose of Greek Life is to encourage the individual growth of its members, emphasizing character development. Greek Life also strives to stimulate leadership development and service to others, emphasizing the importance of human relationships and responsible citizenship.

The educational benefits experienced within the Greek community are further enhanced by various adjunct organizations such as the Delta Xi chapter of the Order of Omega (a Greek leadership honorary), and the Adopt-A-School program. Through these organizations and chapter operations, there are over 100 leadership opportunities available to members of the Greek community.

Interfraternity Council Member Fraternities	**Panhellenic Council Member Sororities**	**City-Wide Affiliates**
Alpha Sigma Phi	Epsilon Kappa Tau	Alpha Kappa Alpha
Eta Phi Mu	Kappa Phi Omega	Alpha Phi Alpha
Lambda Gamma Epsilon	Sigma Alpha Tau	Delta Sigma Theta
Pi Beta Sigma	Tau Epsilon Mu	Zeta Phi Beta
Pi Kappa Phi	Tau Delta	Sigma Gamma Rho
Zeta Phi	Theta Nu	
Sigma Delta Phi		

Religious Life

Religious activities are an important and integral part of campus programming. Students are encouraged to choose from a variety of activities, programs and groups which will enable them to grow in their faith journey. A variety of small groups offer discussion, devotion, fellowship, Bible study, worship, music, retreats, service and volunteer opportunities. All groups and activities are provided by the Chaplain's Office and Religious Life Council. The Chaplain is also available for pastoral care and counseling. Students are encouraged to grow in their relationships with God and other human beings as they strive to clarify values and search for meaning in their lives. All campus religious activities are interdenominational in character.

Alcohol

The use of alcoholic beverages is not permitted on campus, in campus buildings, or in fraternity and sorority houses. In addition, the State of Ohio Liquor Control law prohibits the purchase, possession, or consumption of alcoholic beverages or beer by persons under the age of 21 years. Furthermore, the City of Westerville, in which Otterbein is located, is legally dry under local option.

Automobiles

The choice is yours if you want to bring an automobile to campus. Since parking spaces on campus are limited, possession of cars by students is not encouraged. You

will have to purchase a permit for your car from Campus Security and have your car insured as required by the laws of Ohio or your home state.

Service-Learning and the Center for Community Engagement

In its mission, Otterbein College continues to be faithful to the goals of the College's founders and offers comprehensive, well-rounded educational opportunities that fully integrate liberal arts and professional studies. As part of that mission, Otterbein is committed to serving the community through the development of partnerships with the local community that engage Otterbein students, faculty and staff in high quality community service-learning experiences and meet the identified needs of community organizations.

Our service-learning courses and community programs form an extensive effort to involve the entire Otterbein College community in service-learning projects including partnerships with:

- the public school systems in central Ohio, especially Westerville City Schools and Columbus Public Schools
- local agencies that help meet the needs of families living in poverty, families without homes and others challenged daily with hunger
- nursing homes and community health and wellness organizations

Through volunteer efforts and service-learning courses Otterbein promotes student awareness of the responsibilities of citizenship and the obligations of freedom. Our programs focus on both the ethical implications of a citizen's behavior and the role of a socially responsible person. Students develop (1) an understanding of the root causes of social problems, (2) an appreciation for a social change model and the roles of citizen groups, and (3) cross-cultural communication and advocacy skills.

As an outgrowth of the College's mission and in response to the increasing needs in our community, the College has established a Center for Community Engagement (CCE). The CCE builds community partnerships and enhances our historical relationship with neighboring communities. The CCE brings together campus volunteerism, service-learning, and community-based action research. Students, faculty and staff currently support community engagement in five key areas: (1) Civic Responsibility, (2) Environmental Awareness and Protection, (3) Youth Literacy, Education and Development, (4) Health, and (5) Poverty, Hunger, and Homelessness.

Students who participate in our service-learning programs and courses will experience one of the most significant life-changing features of an Otterbein education.

Career Development

The career paths open to Otterbein students are numerous. Otterbein graduates can be found in all levels of business, industry, government, social service, education, nonprofit organizations and the professions. The broad-based skills that develop through a liberal arts education in addition to the technical skills specific to your major will increase your potential for success throughout your career and provide you with the flexibility necessary in a constantly changing job market.

The key to obtaining a rewarding position when you graduate is to begin early to identify and evaluate your career and life goals. The Career Development Center and your faculty advisor are two major sources of help in defining these goals. Through

counseling, on-campus programs and an extensive career library, the Career Center can provide information about a wide variety of occupations, as well as help you explore employment opportunities and present yourself effectively as a job candidate.

The Career Development Center offers free workshops, individual advising, vocational testing, job search training and extensive occupational and job market resources to help students explore and plan for future careers.

Counseling-Personal

The Student Affairs staff, including the College Chaplain, is available to help with social and personal problems. Staff members strive to ensure students have a place to turn for quality mental health services. Services are provided by licensed clinical psychologists both on and off campus and can be arranged through the Student Affairs Office. A limited number of visits are paid by the College.

Courtright Memorial Library

The Mission of the Courtright Memorial Library is to actively engage in and contribute to the teaching, learning and research needs of the entire Otterbein community. As intellectual partners in the quest for knowledge, the library staff provides access to information, develops a diverse collection, and nurtures critical thinking skills to develop self sufficient, life-long learners.

The Courtright Memorial Library includes over 350,000 books, periodicals, microforms, federal government publications, videotapes, DVDs, CDs, CD-ROMs, electronic resources, and other instructional materials to support the curricular and co-curricular needs of students, faculty, and staff of Otterbein College. Both print and non-print materials (such as videotapes) are shelved together to make it easier to find related items. The library offers laptop computers, camcorders, and other equipment for checkout to the Otterbein College community. There are two computer labs located within the building and wireless connectivity is available throughout the library facility.

In the summer of 2004, the entrance to the library was redesigned and a coffee shop (named "The Otter Bean Café") and four classrooms were constructed. The Otter Bean Café, which is operated by the Campus Food Service, provides food, beverages, wireless connectivity, and comfortable seating.

The library is a part of a consortium of 21 private colleges, called OPAL. OPAL provides a shared online catalog, circulation, reserve, and cataloging system. The system can be accessed through the college network or Internet providers from computer labs, homes, offices, or dormitories. Membership in OPAL allows Otterbein to belong to the statewide consortium called OhioLINK. Through OhioLINK membership, students, faculty, and staff may request materials from other Ohio academic libraries, either electronically or by visiting that library. Any items not owned by another Ohio academic library can be obtained through resource sharing agreements via Interlibrary Loan. Membership in OhioLINK also provides access to a growing number of electronic resources, including indexes (such as Academic Search Premier, Lexis-Nexis, ERIC, Medline, and Cinahl), electronic journals and electronic books.

The library staff strives to provide the best service possible to help students, faculty, staff, and community users find the information they require. Reference assistance is available during all hours of operation both in the library, by phone

and/or remotely via email. In addition, users can request assistance via a statewide chat reference service.

Information about the library is available via the World Wide Web at http://library.otterbein.edu (or http://www.otterbein.edu and select library).

Student Health Center

The Otterbein Student Health Center is open to provide health care for students from 9 a.m. to 5 p.m., Monday through Friday, with a registered nurse on duty. A doctor is available two hours daily, Monday through Friday. Physician hours will be posted in residence halls and the Campus Center. Students are not directly charged for seeing the nurse or for physicians' services, but are charged for X-rays, laboratory services, and for some medications and supplies.

Diversity

The Office of Ethnic Diversity is directed by the Assistant Dean of Students/ Coordinator of Ethnic Diversity. The Office of Ethnic Diversity was established to effectively serve the needs of people of color and to increase the diversity of the campus community. The office strives to demonstrate that cultural and racial differences are valuable dimensions of the Otterbein campus which enhance the living/learning environment and enrich the Otterbein Community. In an effort to assist faculty, staff, and students of color in finding a sense of community belonging, the Office of Ethnic Diversity works with other campus offices, programs, and organizations to sponsor speakers, workshops, and multicultural activities throughout the year.

Residence Life

The mission of the Otterbein College Residence Life Program is to develop a community setting where you can live and learn. We strive to offer well-maintained facilities with amenities unique to each residence hall. A professional staff of hall directors and resident assistants is employed by Otterbein College to assist you as a resident student. This assistance may come in the form of helping with the adjustment to college life, the adjustment to living with a large number of students, the development of self and group responsibility, and the challenging collegiate academic work.

For many, living on campus provides an opportunity for meaningful involvement with many new people from various backgrounds. The group-living/community setting of the residence hall needs to be viewed as a practical laboratory for observing and experiencing human relations. We strongly support the value of diversity and work to create a community where each individual feels valued and accepted. The residence hall experience will provide you with a chance to make decisions on your own, to accept responsibility for those decisions, and to learn from both the positive and negative experiences. Often the degree of learning in the residence halls is dependent on the degree of your involvement.

As within any community environment, it is necessary that guidelines and regulations be established to protect the rights and privileges of all individuals. These regulations are developed by the college community and published in the ***Campus Life Handbook*** which is distributed to all new students at the beginning of Fall classes. Copies of this publication can also be obtained on line at www.otterbein.edu; click on resources and go to Campus Life Handbook link.

Otterbein offers a variety of housing options. As a freshman, you will be housed in a traditional arrangement with two or more students in one room. You will be housed

with other incoming freshmen, as space permits, to allow you to interact with your peers. This allows you to socialize with other individuals experiencing similar issues of college life. As an upperclassman, you choose your roommate and the residence hall you would like to live in for the year. As a junior or senior, you are eligible to live in the student apartments or theme housing as well as the traditional halls. During your *freshman* and *sophomore* years, you are required to live in a residence hall unless you are 22, married, an eligible commuter, or you can seek permission to live off campus by the Assistant Dean of Students/Director of Residence Life. Juniors and seniors who are active members of sororities and fraternities may also live in the sorority or fraternity house to which they belong.

Hall Unification Board and Residence Life Programming

Student input is critical to the programs developed within the residence halls. The Hall Unification Board provides a vehicle for residents to create, develop and carry through ideas for programs. These programs are designed to provide complementary experiences to academic work and allow for personal growth and development.

Programs range from workshops, multicultural programs, newsletters, intramurals, and volunteer projects in the community.

Athletics and Recreation

Intercollegiate Athletics

Otterbein College is a member of the NCAA Division III and the Ohio Athletic Conference (OAC). Founded in 1902, the OAC is the third oldest conference in the country.

The varsity teams for both men and women participate in nine sports each. The men participate in football, soccer, cross country, basketball, indoor track, outdoor track, baseball, golf and tennis. The women field competitive teams in soccer, cross country, volleyball, basketball, indoor track, outdoor track, softball, golf and tennis.

Otterbein also supports a very active equestrian team. Club sports of rowing and men's volleyball have been active on campus.

Recreational Activities

With the opening of the Clements Center in 2003, our facilities provide excellent equipment and opportunity for students to participate in self-directed activities. Personal wellness opportunities are in abundance.

Campus Life

Otterbein offers an attractive intramural program. Activities vary depending on the interest of the campus population. Each year sports of flag football, softball, volleyball, golf and tennis are offered. Coeducational activities are encouraged. Handball, racquetball, walleyball, volleyball and basketball are provided as requested.

A very active aerobics program is in place and in conjunction with free weights, weight machines, tae-bo, big ball exercise and personal jogging, personal fitness opportunities are abundant.

Indoor and outdoor facilities enable year-round activities. Hoover Dam and Alum Creek Dam offer seasonal activities with boating and other park recreational activities. Westerville Recreation Center, Westerville Athletic Club and the Westerville Jaycee swimming complex offer membership year-round activities.

Performance Activities

Bands

Big Band is the College's principal instrumental jazz ensemble and features standard instrumentation; and is open by audition. There are other instrumental jazz opportunities as well.

Cardinal Marching Band performs at all home football games and various other functions throughout the autumn quarter. Participation is open to any member of the Otterbein community who plays an instrument. Interested students are also encouraged to audition for either the O-Squad (dance/flags), or as a twirler.

Concert Band is comprised of approximately 100 members and is open to interested students across campus.

Pep Band performs at men's and/or women's basketball games during winter quarter.

Wind Ensemble is a select group of 35 to 40 musicians open by audition, often one part to a player, which rehearses throughout the academic year. The ensemble tours with the Concert Band during spring break.

Musical Theatre

Otterbein College Theatre presents a major musical production each spring, and in selected years, a second production either in the fall or winter quarters; productions are open by audition only. In addition, musical theatre majors have musical theatre ensemble experiences all four years, provided through various curricular opportunities.

Orchestra

The Otterbein String Orchestra performs at least two or three times a year, and is comprised of string players from across campus.

The Westerville Symphony at Otterbein College is a large orchestra with membership drawn both from the Otterbein campus and from across central Ohio. The orchestra presents an on-campus four-concert season, and also several educational outreach performances. Auditions for the Symphony can be arranged by calling, 614-890-5523.

Chamber Ensembles

The Department of Music sponsors many instrumental chamber ensembles, open to all students on campus. For more information, see the Director of Instrumental Activities.

Vocal Music Opportunities

Concert Choir is Otterbein's most select choral ensemble open by audition only. The ensemble tours between Thanksgiving and Christmas either domestically or abroad, for 7-14 days, depending on the tour.

Men's Glee Club and Women's Chorale are large all-campus ensembles that perform quarterly on campus, and off-campus as well. Camerata is a select mixed choir drawn from the members of the other two ensembles. All three ensembles are open by audition only.

Opera Theatre presents a major production in the winter quarter with orchestra and full production values, and either scenes or a one-act opera workshop production in the spring. In addition, a fall opera/acting opportunity is available to all students who major in music, and whose major instrument is voice. All opera theatre projects are open by audition only.

Opus One is a vocal jazz ensemble. Open by audition only.

Otterbein Vocal Ensemble sings chamber music drawn from all periods and styles. Open by audition only.

Ottermen and Six in the City and men's and women's a cappella/pop ensembles. Open by audition only.

Theatre

Otterbein College Theatre presents six productions during the academic year and three during Otterbein Summer Theatre to an annual audience of more than 27,000 people. Plays include Broadway comedies, classics, children's shows, musicals, contemporary pieces, and commissioned original scripts. Selected seniors also direct student workshops. Guest professional directors, designers and actors participate every year. Non-majors may participate in theatre activities by volunteering through Cap & Dagger, the student organization, or by enrolling in Theatre 101.

Communication Activities

Publications

College publications are under the review of the Student Media Board, a sub-committee of the Student Life Committee. The College newspaper, *The Tan and Cardinal*, is published by a student staff each week during the academic year except during the summer term. *Quiz and Quill* is a publication of the Quiz and Quill Club and contains the best creative writing of current students. The college yearbook, *The Sibyl*, is published annually by a student staff. *The Tan and Cardinal* is sponsored by the Journalism program in the Department of Communication. The Department of English sponsors the *Quiz and Quill*.

Public Relations

Otterbein sponsors a chapter of the Public Relations Student Society of America (PRSSA), a national, pre-professional organization for students interested in public relations. The Otterbein College Chapter sponsors a variety of speakers and workshops and a student-managed public relations agency. In addition, members of PRSSA are eligible for scholarships sponsored by the Public Relations Society of America, receive reduced rates at professional luncheons and workshops and may attend national and district conferences of PRSSA.

Radio Station

WOBN-FM, the student-run radio station, is under the direction of the Department of Communication. WOBN also offers co-curricular opportunities for students majoring in communication and other related disciplines. The station broadcasts 24 hours a day featuring an alternative music format, Otterbein College sporting events and Westerville area news and public affairs. WOBN broadcasts at 101.5 FM and on-line at www.wobn.net.

Television Station

WOCC TV-3 provides programming for Westerville and Otterbein College via cable channel 3. Programming includes public affairs, entertainment, education and sports. By participating, the student has the opportunity for a hands-on learning experience. This includes camera, graphics, audio operation, production and direction, as well as management. The day-to-day operation of an on-air cable television station provides a practical addition to classroom instruction.

Forensics

Otterbein is a member of the Ohio Forensics Association, National Forensics Association, and Pi Kappa Delta, a national forensics honorary. Students compete in debate tournaments and individual events (public speaking, oral interpretation and extemporaneous speaking) tournaments which provide travel opportunities to both local and out-of-state contests.

M.O.S.T.

Mentoring Organizational Students Today is a networking and mentoring organization for students interested in careers in Organizational Communication. Students are actively involved in building mentoring connections by organizing professional speaking events, an informal networking brunch, mock interviews, fundraisers, and on-site agency visits. In addition, students coordinate various activities to develop mentoring relationships among all communication majors.

Cultural Activities

Throughout the year, there will be many opportunities to attend outstanding lectures, concerts and exhibits delivered and performed on campus by both on-campus and off-campus scholars and artists. In addition, a wide variety of cultural activities is available in the city of Columbus.

Governance

Activities of the College Governance program are so diverse that you should be able to find an activity which will interest you. At the same time you will become acquainted with problems facing citizens in a self-governing society.

College governance gives students voting rights, along with faculty and administration, on all campus policy and decision-making bodies. In the College Senate, which is the major policy-making body, students sit in equal numbers with faculty and administrators. Students also sit on most councils and committees on campus. All students in good standing are eligible for election to the Senate. Students can also participate in a Student Forum.

The Otterbein College Board of Trustees has legal authority over all actions of the Senate. Two voting student seats and two voting faculty seats are on the 30-member board.

CONTINUING STUDIES

Established in 1974, Otterbein's Continuing Studies Program is designed to meet the unique needs and special interests of adult learners. Some students are seeking to finish their degrees while others are beginning college for the first time. Many are interested in new careers or promotions, while others enroll in courses for personal enrichment rather than seeking a degree. With most students having family, career, personal, and community commitments, there is a need to fit their education into a variety of schedules. Otterbein offers very flexible scheduling through day, evening and weekend classes. Students can select from a variety of courses, fit those courses within one or more study options, and determine the rate they want to move through their program.

The Office of Continuing Studies provides a variety of services that have been designed with the adult learner in mind:

- admissions and registration
- advising for new and currently enrolled students
- assistance with financial aid
- a strong transfer program
- evening/weekend office hours
- a variety of fee payment plans

Small classes, flexible scheduling, individual attention, accessibility, and a reputation for academic excellence all contribute to a rewarding experience at Otterbein. For more information, or to find out how you can begin your experience at Otterbein, contact the Office of Continuing Studies at 614-823-1356.

Degrees and Majors

Degrees

Otterbein offers the following undergraduate degrees:
Bachelor of Arts (B.A.)
Bachelor of Science (B.S.)
Bachelor of Fine Arts (B.F.A.)
Bachelor of Music (B.MUS.)
Bachelor of Music Education (B.M.E.)
Bachelor of Science in Education (B.S.E.)
Bachelor of Science in Nursing (B.S.N.)

Majors Available Through Day Classes

Nearly 50 majors and over 400 courses are available each quarter during the day. Daytime schedules may be obtained by calling the Office of Continuing Studies (614) 823-1356.

Majors Available Through Evening Classes

Accounting
Business Administration with the following concentrations:
- General
- International Business
- Management
- Marketing

Computer Science
English
- Literary Studies

Liberal Studies in (***PACE*** program):
- Business Administration
- Business Psychology
- Human Resources Managment
- Information Management
- Leadership and the Liberal Arts
- Management and Leadership
- Organizational Communication

Organizational Communication
Psychology
Public Accounting

Weekend College

Weekend College at Otterbein offers you three class times which meet for four hours every other weekend (six weekends during the ten-week quarter) or one class time which meets for three hours every Saturday for ten weekends. Meeting less frequently and for a fewer contact hours than day and evening classes, Weekend College courses maintain academic quality through independent study assignments completed during the interval between classes.

Through Weekend College, you can complete courses for a degree in Business Administration or the general core requirements for any of Otterbein's majors. Weekend College appeals to students who can't attend classes during the week and to those who live a distance from campus. Students enjoy the flexibility of combining an evening or day class with a weekend class. It appeals to adult students who have developed a capacity for independent study.

On the scheduled weekends, classes meet during the optional sessions listed below:

Class I:	5:30 p.m. - 9:40 p.m., Friday
Class II:	8:30 a.m. - 12:40 p.m., Saturday
Class III:	1:00 p.m. - 5:10 p.m., Saturday
Class IV:	8:30 a.m. - 11:40 a.m., every Saturday

PACE

Otterbein College's Office of Continuing Studies created its professional degree completion program, ***PACE*** (Professional Adult Continuing Education), in the Fall of 1996. We designed this innovative and flexible program for adults who want to maximize their transfer credits, attend classes one night per week and weekends, and complete a B.A. in just 23 months - with the option for students to take longer if they need to. Continuing Studies students who have completed 90 quarter hours (60 semester hours) with selected prerequisites can attend one three-hour evening course per week and a Weekend College course each term and earn a degree in 23 months.

All of Otterbein's Liberal Studies majors are distinctly interdisciplinary in approach, which means a student will be able to draw connections among courses in business, communication, psychology, and the liberal arts. To be successful, today's business professional must draw from several sources - different perspectives, combinations of academic disciplines, and thinking styles. The Liberal Studies majors' interdisciplinary approach enhances critical thinking and problem-solving skills. All of Otterbein's ***PACE*** majors are designed to prepare our adult students for the changing demands of today's workplace.

PACE Program Liberal Studies Majors:

Business Administration
Business Psychology
Human Resources Management
Information Management
Leadership and the Liberal Arts
Management and Leadership
Organizational Communication

- The opportunity to complete a degree in just 23 months by taking 2 courses per term over 4 terms (Autumn, Winter, Spring, Summer), plus a December Term course. Requires 90 quarter hours (60 semester hours) of transfer credit, including selected prerequisites.

- A combination of one-night-per-week and weekend classes. Evening classes meet for 3.25 hours. Weekend classes meet Friday nights or Saturday for 4 hours, generally every other weekend (6 sessions plus a final exam period).

- The choice of scheduling classes a year in advance and enrolling in a December Term.

- The option of set-your-own-pace-scheduling to accommodate busy work and personal schedules.

- The opportunity to complete one of the PACE majors even if you have little or no college credit. (Note: all bachelor degrees require a minimum of 180 credit hrs.)

Eligibility, Admission and Registration

Eligibility

The Office of Continuing Studies considers applicants based upon the following criteria: (a) be at least 23 years of age, (b) if you are under 23 years of age, you may seek admission only if you have completed a two or three-year college program, or if you have not been enrolled in high school or college for at least two years, (c) a minimum of a 2.0 G.P.A. for all previous college work or a 2.5 G.P.A. if only a high school diploma or GED has been earned. Each applicant is considered on an individual basis; applicants whose past academic work has been marginally successful will be considered and may be accepted on a conditional basis.

Application Procedure

1. Complete the application. Applications are available from the Office of Continuing Studies and via the college website at www.otterbein.edu.
2. Include a non-refundable $25 fee with your application. Checks and money orders should be payable to Otterbein College.
3. Submit official transcripts from all previous post-secondary schools attended. If you have 12 or fewer credit hours, also include your official high school or GED transcript. If your academic credentials are from an institution outside the United States, you are required to provide a World Education Services, Inc. (WES) course-by-course evaluation of all post-secondary education. WES charges a fee of approximately $125 for this service, and Otterbein will reimburse you when one term of enrollment has been completed. For WES details and instructions, visit their website at www.wes.org.
4. Make an appointment with a Continuing Studies or departmental advisor to discuss your plans. This is not required, but is strongly recommended.
5. Forward all application materials by the posted deadline. Application deadlines are generally 10 days prior to the quarter in which you wish to enroll. Please forward all application materials to: Office of Continuing Studies, Towers Hall, Otterbein College, Westerville, OH 43081. Direct questions to: 614-823-1356.
6. You must be accepted for admission before you can register for classes.
7. Once accepted, you may be admitted in one of the following categories.

Admission

Regular Status

The student is admitted as fully qualified to pursue a program leading to a degree. No conditions apply.

Conditional Status

Under certain conditions, you may be admitted if you do not meet the basic eligibility requirements. If your prior academic record was marginally successful, you may be accepted provided you receive and maintain a 2.0 G.P.A. in all classes during your first 12 hours of enrollment. At that time, your record will be reviewed to determine if you will be admitted with regular status. Based upon the admission decision, other conditions may apply, depending on individual circumstance.

Non-Degree Status

Applicants seeking college credit but are not pursuing a degree may do so by providing some proof of prior education (high school transcript, copy of diploma, college transcript). Official transcripts are not necessary to be admitted with this status. However, should you later chose to pursue a degree, you will be required to provide official transcripts from all prior post-secondary schools.

Audit Status

Applicants wishing to audit a course for no credit, or take a non-credit course may be admitted in this category. Some proof of prior education (high school transcript, copy of diploma, college transcript) is required. In all cases, requests to audit undergraduate courses are subject to final approval by the Registrar. No graduate courses may be audited.

Transient Status

Students pursuing a degree at another college or university who wish to earn credit for transfer to that institution may be admitted for a maximum of three quarters. An official transcript from the home institution is required with the application.

Registration

Students must be officially accepted for admission before they can register for classes. A $100 non-refundable deposit must accompany your registration. This deposit is required of all new students or those who have not been enrolled for one year. First-time, newly-enrolled students should submit their registration form directly to the Office of Continuing Studies. After your first quarter of enrollment, you may register through Cardinal Web for Students or complete a registration form and submit it to the Registrar's Office.

The $100 deposit is deducted from your tuition. If you register for more than one quarter at a time, the deposit applies only to tuition for the first quarter. The remainder of your tuition is due by the first day of class, or if you choose, according to one of the payment plans outlined in the Payment Plans and Financial Aid section.

Please check the current schedules for applicable registration deadlines.

Payment Plans and Financial Aid

In recognition of the fact that many adult students must carefully plan their finances to manage a household budget, Continuing Studies offers two convenient payment plans. Both plans are an alternative to paying fees in full by the first day of each term. If you choose to use one of these plans, please make arrangements before the beginning of the quarter. MasterCard, Visa, and Discover are accepted.

1. *Three-Part Payment Plan*
   You may divide your tuition into three payments. At least one third of your tuition will be due by the first day of class. The remaining balance will be payable in two payments due one month apart. There is a $25 quarterly handling charge for this payment option.
2. *Deferred Payment Plan*
   If you qualify for your company's tuition reimbursement program, this plan will allow you to defer most of your tuition until the end of the quarter. There is a $35 quarterly service charge for this payment option.

To help you meet the costs of a college education, you may wish to apply for financial aid. Assistance paying for college expenses may be available to you through loans, grants, and/or work-study opportunities. Because the availability of certain forms of financial aid is limited, prospective students are encouraged to make application as early as possible by completing the Free Application for Federal Student Aid (FAFSA) and the College's Institutional Aid Form. Both forms may be picked up in either the Office of Continuing Studies or the College's Financial Aid Office. If you have any questions regarding the application process or the availability and awarding of financial aid, do not hesitate to contact the Office of Continuing Studies. Also see the Financial Assistance Section of this catalog.

Satisfactory Academic Progress

Students who fail to make ***satisfactory academic progress*** are subject to the loss of federal financial aid. Complete requirements are outlined on pages 292 and 293. Satisfactory academic progress is defined as achieving earned credit hours in at least two-thirds of all credit hours attempted and maintaining the appropriate cumulative grade point average. Courses in which IP's, NR's and W's are received are considered attempted credit hours. Students who fall below the defined standard for satisfactory academic progress will be warned in writing. Students who receive a warning will have to be in compliance with the defined standard within two quarters or federally-funded financial aid will be forfeited. Warnings are issued as a courtesy; students must assume full responsibility for monitoring their own satisfactory academic progress. The College reserves the right to refuse registration to students who are failing to make satisfactory academic progress toward their degrees.

Transfer Student Scholarships

Transfer students interested in academic scholarships should refer to the Bridge Scholarships listed in the financial assistance section of this catalog.

General Information

Advising

Through advising sessions, the Office of Continuing Studies offers adult students an enhanced educational experience. Advisors are available in the Office of Continuing Studies and the academic departments to explain Otterbein's programs and to assist students with scheduling classes. Through these sessions, students receive a comprehensive range of services beyond scheduling and obtain answers to questions regarding the rotation of classes, transfer credit, financial assistance, and details regarding the campus. Meeting with an advisor provides students the opportunity to develop an educational plan that will meet and/or exceed their personal and professional goals.

Final Examinations

A final examination schedule for daytime classes is printed on the class schedule. Finals for evening classes are given at the scheduled class time which falls during the designated days for finals. Weekend College class finals will be given during the last class session of the term.

Continuing Studies Dean's List

Students who excel academically during a particular school year are recognized annually on the Continuing Studies Dean's List which is announced in June. Guidelines for the Dean's List are:

1. Students must complete a minimum of 20 quarter hours during the regular school year (Autumn, Winter, Spring Quarters).
2. Students must have A's or B's for all hours attempted.
3. Students must have a minimum Grade Point Average of 3.6.

Full-time versus Part-time Status

You may attend Otterbein as a part-time or full-time student. Full-time students may take 12-18 hours of academic credit per quarter. Tuition for full-time students is figured from a base rate per quarter. All full-time students have access to the College's peripheral services. These services include use of the Clements Recreation Center, free tickets to theatre, athletic and artist series events, use of the Health Service, and participation in student activities, intramural and athletics.

Part-time students may take up to 11 hours of academic credit per quarter. As a part-time student, you will pay a reduced tuition rate per quarter hour. Your total part-time tuition is figured by multiplying the number of quarter hours you are taking times the current part-time tuition rate. This reduced rate is made possible because a number of peripheral services are not available without charge to part-time students. Students should contact the Student Affair's Office (614) 823-1250 to verify the services available when attending Otterbein part-time.

Residence Requirements

Refer to p. 23 in the section entitled The Academic Program.

Earning a Second Bachelor's Degree

Refer to p. 24 in the section entitled The Academic Program.

Transfer of Credit

Refer to p. 304 in the section entitled Registration.

Credit for Prior Learning/By Examination

Refer to p. 304 in the section entitled Registration.

Auditing Courses

Refer to p. 301 in the section entitled Registration.

Interruption in Attendance

Refer to p. 24 in the section entitled The Academic Program.

Adding/Dropping Classes

Refer to p. 302 in the section entitled Registration.

Withdrawal

Refer to p. 302 in the section entitled Registration.

Refund Schedule

Refer to p. 312 in the section entitled Tuition and Financial Assistance.

Otterbein College Board of Trustees

Officers

Chairman of the Board:	Thomas R. Bromeley
Vice Chairman:	Thomas C. Morrison
Vice Chairman:	Wolfgang Schmitt
Secretary:	Michael H. Cochran
Assistant Secretary:	John E. King
President of the College:	C. Brent DeVore
Vice President for Bus. Affairs:	Stephen R. Storck

Class of 2005

Michael H. Cochran, '66, Attorney, Columbus, Ohio
Beth Rigel Daugherty, Associate Professor, Department of English, Otterbein College
Michael E. Ducey, '70, President and CEO, Compass Minerals Group, Overland Park, Kansas
Judith Gebhart '61, Associate Professor (Retired)
Douglas R. Knight '63, Physician, Children's Hospital, Columbus, Ohio
Rev. Angela Lewis, Pastor, St. Paul United Methodist Church, Cleveland, Ohio
Jane W. Oman, H '96, Civic Leader, Columbus, Ohio
Peggy M. Ruhlin, '81, Principal, Budros, Ruhlin & Roe, Inc., Columbus, Ohio
Olesya Sosedenko, Student Trustee, Otterbein College

Class of 2006

William L. Evans, '56 Director of Information Management (Retired)
Mary F. Hall, '64, Associate Professor, Smith College
David E. Lehman, '70, Business Manager, Culver Art and Frame Co.
Connie Leonard, '63, Director of Curriculum and Instruction, Green Local Schools

Class of 2007

Thomas R. Bromeley, '51, Chairman and CEO, Top Line Corp. and Allegheny Bradford Corp., Bradford, Pennsylvania
Erica Hlavin, Student Trustee, Otterbein College
John T. Huston, '57, Preventive Cardiology, McConnell Heart Health Center
John King, '68, Vice President, Perot Systems Corp., Reston, Virginia
Jeffrey Lehman, Associate Professor, Department of Life and Earth Sciences, Otterbein College
Paul Reiner, '68, President, Oakland Nursery/Acorn Farms, Columbus, Ohio

Class of 2008

Rev. Erwin Kerr, Pastor (Retired), Pittsburgh, Pennsylvania
William E. LeMay, '48, Partner, Waytek Corporation, Franklin, Ohio
John W. Magaw, '57, Domestic & International Security Consultant, Washington D.C.
Thomas C. Morrison, '63, Attorney, Patterson, Belknap, Webb & Tyler, New York, New York
Wolfgang R. Schmitt, '66, CEO, Trends 2 Innovation
Mark R. Thresher, '78, President & CEO, Nationwide Financial

Honorary Trustees

Robert Agler, '48, Partner, Agler Davidson Sporting Goods (retired), Columbus, Ohio
Harold F. Augspurger, '41, Dentist, Dayton, Ohio
Edwin L. Roush, '47, President/Owner, Roush Companies (Retired)

President of the College

C. Brent DeVore, 1984-
B.S.J., Ohio University, 1962
M.A., Kent State University, 1971
Ph.D., Kent State University, 1978

Vice Presidents of the College

Patricia A. Frick, 1993-
Vice President for Academic Affairs and Academic Dean/Professor of English

Robert M. Gatti, 1978-
Vice President for Student Affairs and Dean of Students

Stephen R. Storck, 1988-
Vice President for Business Affairs and Business Manager

Thomas H. Stein, 1992-
Vice President for Enrollment

Richard H. Dorman, 1996-
Vice President for Institutional Advancement

Faculty and Administration

Department Chairpersons

Integrative Studies
Lyle T. Barkhymer

Art
Nicholas A. Hill

Business, Accounting and Economics
Charles G. Smith

Chemistry
Jerry A. Jenkins

Communication
Susan P. Millsap

Education
Marlene K. Deringer

English
Alison H. Prindle

Equine Science
Maria S. Calderone, Acting

Foreign Languages
James L. Martin, Acting

Health & Physical Education
Joan E. Rocks

History & Political Science
Debora J. Halbert

Life & Earth Sciences
Michael A. Hoggarth

Mathematical Sciences
Susan E. Thompson

Music
Craig R. Johnson

Nursing
Judy Strayer

Physics & Astronomy
David G. Robertson

Psychology
Laura M. Bennett-Murphy

Religion & Philosophy
Charles E. Zimmerman

Sociology
Heidi R. Ballard

Theatre & Dance
John Stefano

Faculty

Michele Acker, 1997-
Associate Professor of Psychology
B.A., Eckerd College, 1989
M.A., University of Michigan, 1990
Ph.D.,University of Michigan, 1994

Patti R. Albaugh, 1989-
Professor of Education
B.A., Mt. Vernon Nazarene College, 1979
M.A., The Ohio State University, 1985
Ph.D.,The Ohio State University, 1986

Kyriacos C. Aristotelous, 1993-
Associate Professor of Economics
B.S., Iowa State University, 1986
M.A., University of Delaware, 1988
M.A., The Ohio State University, 1989
Ph.D.,The Ohio State University, 1993

Louis G. Arnold, 1983-
Professor of Physics/Astronomy
A.B., Northwestern University, 1963
M.S., University of Kentucky, 1965
Ph.D.,University of Kentucky, 1972

Suzanne M. Ashworth, 2003-
Assistant Professor of English
B.A., Miami University, 1992
M.A., Pennsylvania State University, 1994
Ph.D., Pennsylvania State University, 2000

Donald T. Austin, 1999-
Associate Professor of Art
B.A., College of Wooster, 1980
M.A., Western Carolina University, 1986

Bruce C. Bailey, 1999-
Associate Professor of Business, Accounting and Economics
B.S., University of Connecticut, 1977
M.B.A., University of Michigan, 1979
Ph.D., Suny at Buffalo, 1999

Heidi R. Ballard, 2003-
Associate Professor of Sociology
B.A., The Ohio State University, 1986
M.A., University of New Mexico, 1990
Ph.D., University of New Mexico, 1996

Lyle T. Barkhymer, 1967-
Professor of Music
B.A., B.M., Otterbein College, 1964
M.M., Indiana University, 1967
D.M., Indiana University, 1970

James A. Bates, 2004-
Assistant Professor
B.M.E., University of Louisville, 1983
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Ph.D., University of Kentucky, 2002

Garlena A. Bauer, 1988-
Professor of Sociology
B.S., The Ohio State University, 1979
M.S., The Ohio State University, 1979
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Gregory Bell, 1996-
Professor/Technical Director of Theatre and Dance
B.A., Morehead State University, 1973
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Laura M. Bennett-Murphy, 1995-
Associate Professor of Psychology
B.A., Indiana University, 1990
M.A., Duke University, 1993
Ph.D., Duke University,1995

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Visiting Instructor of English
B.A., Miami University, 1987
M.L.S., The Ohio State University, 1990
M.A., The Ohio State University, 1993

Dan E. Boros, 2003-
Assistant Professor of Mathematics
B.S., University of Timosoara-Romania, 1991
Ph.D., The Ohio State University, 2003

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Assistant Professor of Life/Earth Sciences
B.A., Kalamazoo College, 1995
M.S., University of Florida, 1998
Ph.D., University of Florida, 2004

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B.A., The Ohio State University, 1977
M.A., The Ohio State University, 1981
Ph.D., The Ohio State University, 1988

Duane G. Buck, 1991-
Associate Professor of Computer Science
B.S., Lawrence Institute of Technology, 1975
M.A., Wayne State University, 1977
Ph.D., The Ohio State University, 1993

Mary Ann Burnam, 1977-
Professor of Nursing
B.S., The Ohio State University, 1967
M.S., The Ohio State University, 1970
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Professor of Equine Science
B.A., Earlham College, 1968
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Associate Professor Health/ Physical Education
B.S., Ohio State University, 1969
M.A., Ohio State University, 1972
Ph.D., Ohio State University, 1991

Sharon L. Carlson, 1979-
Professor of Nursing
B.S.N., Marquette University, 1964
M.S.N., University of Missouri, 1978
Ph.D., The Ohio State University, 1995

Norman R. Chaney, 1970- (1964-1966)
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B.A., Indiana Central College, 1960
M.A., Indiana University, 1963
B.D., Yale Divinity School, 1964
M.A., University of Chicago, 1969
Ph.D., University of Chicago, 1975

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Professor of Music
B.M.E., Otterbein College, 1969
M.A., The Ohio State University, 1986
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Gretchen S. Cochran, 1995-
Associate Professor of Art
B.S., Cornell University, 1966
M.A.T., Wesleyan University, 1967
M.F.A., The Ohio State University, 1991

Roland S. Coloma, 2004-
Assistant Professor of Education
B.A., University of California, 1995
M.A., University of California, 1998
M.A., The Ohio State University, 2002
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Associate Professor of Education
B.A., State University of New York College, 1985
M.S, State University of New York College, 1989
Ph.D., The Ohio State University, 1997

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Assistant Professor of Mathematics
B.S., Allegheny College, 1994
M.A., University of Kentucky, 1997
Ph.D., University of Kentucky, 2000

Allan D. Cooper, 1993-
Professor of History/Political Science
B.A., University of Oklahoma, 1974
M.A., University of Wisconsin, 1976
Ph.D., Atlanta University, 1981

Marjorie C. Cornell, 1990-
Professor of Foreign Languages
B.S., University of Nebraska, 1966
M.A., Texas A & M University, 1979
Ph.D., The Ohio State University, 1987

Barbara B. Cornett, 1983-
Professor of Nursing
B.S., University of Maryland, 1971
M.S., The Ohio State University, 1976
Ph.D., The Ohio State University, 1989

Beth Rigel Daugherty, 1984-
Professor of English
B.A., Mt. Union College, 1972
M.A., Rice University, 1978
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Dennis F. Davenport, 2001-
Associate Professor of Music
A.B., Princeton University, 1975
M.M., Austin Peay State University, 1990
D.M.A., University of Oregon, 1995
Jeff Demas, 1999-
Assistant Professor of Communication
B.S., Ohio University, 1975
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Ph.D., Ohio University, 2000

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Professor of Business, Accounting and Economics
B.S., B.A., The Ohio State University, 1966
M.B.A., Wright State University, 1969
Ph.D., University of Cincinnati,1975

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Associate Professor of Education
B.A., Otterbein College, 1969
M.A., The Ohio State University, 1973
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B.M., Pennsylvania State University, 1986
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Ph.D., University of Wisconsin, 2000

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B.A., Saint Augustine's College, 1980
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MB ChB, Leeds University Medical School, ENGLAND, 1972
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Professor of Foreign Languages
State Professor Degree, Universidad de Chille, 1977
M.A., The Ohio State University, 1981
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Professor of English
B.A., John Carroll University, 1973
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B.M., University of Illinois, 1970
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Professional Studies, Juilliard School, 1976
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B.A., Western Washington University, 1989
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Ph.D., The Ohio State University,1984

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B.S., Fujian Norman University, 1982
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Associate Professor of Accounting
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Professor of Psychology
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Ph.D., Ohio University, 2002

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M.Div., Emory University, 1971
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B.A., Earlham College, 1975
M.Phil., M.S., Yale University, 1984
Ph.D., Yale University, 1986

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B.S., Manchester College, 1987
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B.A., Williams College, 1985
Ph.D., University of California, 1995

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Ph.D., The Ohio State University, 1993

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Professor of History/Political Science
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M.A., University of Maryland, 1977
Ph.D., University of Maryland, 1986

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Ph.D., The Ohio State University, 2000

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M.A., University of California, 1972
Ph.D., University of California, 1981

Bruce E. McCray, 2000-
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B.S., Western Illinois University, 1988
M.S., University of Nebraska, 1992
Ph.D., University of Akron, 2000

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B.A., SUNY at Stony Brook, 1994
M.A., Cornell University, 1999
Ph.D., Cornell University, 2002

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B.S.N., Tuskegee Institute, 1971
M.S., The Ohio State University, 1974
Ph.D., The Ohio State University, 1996

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B.A., Central Michigan University, 1991
M.A., Central Michigan University, 1993
Ph.D., University of Nebraska, 2004

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B.S.N., Saint John College, 1957
M.S., The Ohio State University, 1962
Ph.D., The Ohio State University, 1983

Andrew P. Mills, 1999-
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A.B., University of Michigan, 1990
M.A., University of North Carolina, 1992
Ph.D., University of North Carolina, 1997

Susan P. Millsap, 1987-
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B.A., West Chester State University, 1980
M.A., The University of Tennessee, 1982
Ph.D., The Ohio State University, 1995

Robert D. Place, 1967-
Professor of Chemistry
B.A., Albion College, 1963
Ph.D., University of California, Berkeley, 1967

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Instructor of Equine Science
B.S., University of Guelph, 1997
M.S., University of Kentucky, 1999
Ph.D. in progress, University of Guelph

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B.A., Radcliffe College, 1964
Ph.D., Cornell University, 1977

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Professor of Business, Accounting and Economics
B.S., The University of Wisconsin, 1970
M.S., Purdue University, 1972
Ph.D., Pennsylvania State University, 1977

Joan M. Pryor-McCann, 1991-
Professor of Nursing
B.S.N., University of Pittsburgh, 1976
M.N., University of Pittsburgh, 1978
M.A., The Ohio State University, 1985
Ph.D., The Ohio State University, 1995

Levilson C. Reis, 2000-
Assistant Professor of Foreign Languages
A.A., Edison Community College, 1989
B.A., University of South Florida, 1989
M.S., Tulane University, 1991
Ph.D., Florida State University, 1999

Christina L. Reynolds, 1990-
Professor of Communication
B.S.C., Ohio University, 1979
M.S., The University of New Mexico, 1981
Ph.D., University of Minnesota, 1986

Richard E. Reynolds, 1972-
Associate Professor of Health and Physical Education/Head Basketball Coach/ Athletic Director
B.S.Ed., Otterbein College, 1965
Ed.M., Xavier University, 1971

Cathryn A. Robbins, 1986-
Professor of Theatre/Dance
B.A., San Jose State University, 1972
M.F.A., Humboldt State University, 1980

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Assistant Professor of Physics
B.S., University of California, 1984
Ph.D., University of California, 1990

Karen S. Robinson, 1988-
Professor of Education
B.A., University of Montevallo, 1969
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Ph.D., Vanderbilt University, 1975

Joan E. Rocks, 1998- (1992-1997)
Assistant Professor of Health and Physical Education/Director, Athletic Training Program
B.A., Marietta College, 1986
M.S., Canisius College, 1987
Ph.D., University of Toledo, 2004

Dennis M. Romer, 1988-
Professor of Theatre/Dance/ Artistic Director
B.A., Otterbein College, 1971
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Cynthia Laurie Rose, 1992-
Professor of Psychology
B.A., Youngstown State University, 1982
M.A., University of Cincinnati, 1985
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Professor of History/Political Science
B.A., Clark University, 1976
M.A., Princeton University, 1980
Ph.D., Princeton University, 1986

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Assistant Professor of Education
B.A., The College of Wooster, 1980
M.A.Ed., The University of Akron, 1990
Ph.D., Kent State University, 2004

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B.S., Faraday House, London, UK, 1962
M.S., University of Waterloo, 1977
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A.B., Ohio Dominican College, 1967
M.A., The Ohio State University, 1980
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M.A., Northern Arizona University, 1982
Ph.D., Ohio University, 1988

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B.A., The University of Chicago, 1988
M.S., The University of Chicago, 1988
Ph.D., University of California, Berkeley, 1993

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B.S., Bowling Green State University, 1976
M.S., Bowling Green State University, 1977
M.S., University of Pittsburgh, 1988
Ph.D., University of Pittsburgh, 1991

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B.S.N., University of Cincinnati, 1977
M.S.N., Indiana University, 1981
Ph.D., The Ohio State University,1992

Noam Shpancer, 1999
Associate Professor of Psychology
B.A., University of Houston, 1991
M.S., Purdue University, 1996
Ph.D., Purdue University, 1998

Charles G. Smith, 2000-
Professor of Business, Accounting and Economics
B.A., John Carroll University, 1970
M.A., The University of Cincinnati, 1983
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Associate Professor of Accounting
B.S., Virginia Military Institute, 1966
M.B.A., Troy State University, 1977
Ph.D., Virginia Commonwealth University, 1994

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B.S., The Ohio State University, 1986
M.A., The Ohio State University, 1989
Ph.D., The Ohio State University, 1995

Jeremy H. Smith, 1988-
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B.A., Indiana University, 1976
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Ph.D., Indiana University, 1985

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B.A., Duke University, 1998
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B.S., McNeese State University, 1979
M.B.A., Texas Tech University, 1982
Ph.D., Virginia Commonwealth University, 1993

John Stefano, 1992-
Professor of Theatre/Dance
B.A., Pomona College, 1969
M.F.A., University of California, 1971
Ph.D., University of California, 1981

Joanne M. Stichweh, 1979-
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B.A., Otterbein College, 1967
M.F.A., The Ohio State University, 1969

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Professor of Nursing
B.S., The Ohio State University, 1960
B.S.Ed., The Ohio State University, 1967
M.S., The Ohio State University, 1970
Ph.D., The Ohio State University, 1979

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B.A., Bluffton College, 1984
M.A., The University of Cincinnati, 1987
Ph.D., The University of Texas, 1995

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Instructor of Health and Physical Education
B.A., Brooklyn College, 1982
M.B.A., Seton Hall University, 2002
Ph.D., The Ohio State University, in progress

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Professor of Education
B.S.Ed., Emporia State University, 1967
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Ed.D., University of Northern Colorado, 1976

John T. Tansey, 2002-
Assistant Professor of Chemistry
B.S., University of Massachusetts, 1991
Ph.D., Wake Forest University, 1997

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Professor of Mathematics
B.S., University of Dayton, 1981
M.A., The Ohio State University, 1983
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Gary R. Tirey, 1968-
Associate Professor of Music
B.M.E., Capital University, 1964
M.M.E., VanderCook College of Music, 1969

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Professor of Mathematics
B.S., Nanking University, 1966
M.S., Sichuan University, 1982
Ph.D., University of Delaware, 1991

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Assistant Professor of Physics
Diploma, University of Heidelberg, 1993
Dr.rer.nat. (Ph.D.), Max Planck Institute for Nuclear Physics, 1996

William E. Vaughan, 1982-
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B.S.Ed., Otterbein College, 1971
M.A., University of Connecticut, 1974

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M.S., The Ohio State University, 1990
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M.M., University of Colorado, 1986
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Ph.D., University of Toledo, 1994

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M.A., The University of Texas, 1993
Ph.D., The University of Texas, 1998

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B.A., Saint Augstine's College, 1991
M.A., University of Virginia, 1994
Ph.D., Howard University, 2002

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B.S., Moorhead State University, 1982
M.S., North Dakota State University, 1985
Ph.D., Purdue University, 1992

Adele B. Weiss, 1998-
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B.S., The Ohio State University, 1974
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Ph.D., The Ohio State University, 1984

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B.S., University of Scranton, 1982
M.B.A., Syracuse University, 1986
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Dana White, 1993-
Associate Professor of Theatre/Dance
B.A., Bowling Green State University, 1986
M.F.A., University of Michigan, 1990

Richard J. Yntema, 1992-
Associate Professor of History/Political Science
B.A., Calvin College, 1979
M.A., University of Chicago, 1980
Ph.D., University of Chicago, 1992

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Associate Professor of Religion/Philosophy
B.A., Emory University, 1968
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Ph.D., Emory University, 1984

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Morton J. Achter, 1975-2000
Professor of Music
B.M., University of Michigan, 1961
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Professor of Education
B.S., Ball State Teachers College, 1952
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Ed.D., Indiana University, 1961

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Professor of English
B.A., Franklin College, 1960
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Professor of Physics/Astronomy
B.A., Manchester College, 1952
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Ph.D., The Ohio State University, 1974

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Professor of Business Administration/Economics
B.S., University of Illinois, 1950
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Ph.D., The Ohio State University, 1967

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B.S., Indiana Central College, 1952
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B.A., Andrews University, 1958
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Diplome, Universite' de Caen (Normandie), 1965

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B.S., B.A., Otterbein College, 1961
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Director of Church/Constituency Relations
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Ph.D., Harvard University, 1958

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Associate Professor of Earth Science
B.S., Penn State University, 1948
M.S., Penn State University, 1953
Ph.D., West Virginia University, 1969

J. Patrick Lewis, 1974-1998
Professor of Business, Accounting and Economics
B.A., St. Joseph's College, 1964
M.A., Indiana University, 1965
Ph.D., The Ohio State University, 1974

Paulette R. Loop, 1964-1987
Assistant Professor of Foreign Languages
B.A., Otterbein College, 1960
M.A., The Ohio State University, 1967

Albert E. Lovejoy, 1957-1988
Professor of Sociology
B.A., University of North Carolina, 1947
M.A., University of North Carolina, 1949
Ph.D., University of North Carolina, 1957

Woodrow R. Macke, 1965-1988
Vice President for Business Affairs and Business Manager
B.A.Sci., University of Toronto, 1947

Allan J. Martin, 1966-1996
Assistant Professor of English
B.A., Alma College, 1960
M.A., Michigan State University, 1962
Ph.D., Case Western University, 1969

Alberta E. Messmer, 1955-1988
Assistant Professor, Director of Library
B.A., Otterbein College, 1940
B.S.L.S., Western Reserve University, 1941

L. Thomas Moore, 1997-2004
Associate Professor of Education
B.S., The Ohio State University, 1962
M.A., The Ohio State University, 1965
Ph.D., The Ohio State University, 1972

Roger H. Neff, 1961-1993
Professor of Foreign Languages
B.A., The Ohio State University, 1956
M.A., The Ohio State University, 1960
Ph.D., The Ohio State University, 1973

P. Rexford Ogle, 1964-1993
Professor of Chemistry
B.S., Capital University, 1950
M.S., The Ohio State University, 1952
Ph.D., Michigan State University, 1955

Barbara S. Pettegrew, 1986-2005 (PT 1983-1985)
Professor of Education
B.S.Ed., Baldwin-Wallace College, 1961
M.A., The Ohio State University, 1976
Ph.D., The Ohio State University, 1981

George J. Phinney, 1962-1992
Professor of Life Science
B.S., The Ohio State University, 1953
M.S., The Ohio State University, 1956
Ph.D., The Ohio State University, 1967

James B. Recob, 1959-1992
Professor of Religion/Philosophy
B.A., Otterbein College, 1950
M.Div., United Theological Seminary, 1953
Th.D., Boston University, 1971

Roy F. Reeves, 1981-1991
Professor of Mathematics and Patton Professor of Computer Science
B.S., University of Colorado, 1947
Ph.D., Iowa State University, 1951

Eleanor M. Roman, 1973-1993
Associate Professor of Human Ecology
B.S., Seton Hill College, 1952
M.S., Pennsylvania State University, 1954

Marilyn B. Saveson, 1983-1993
Professor of English
Ph.B., University of Chicago, 1946
M.A., University of Chicago, 1949
Ph.D., University of Cambridge, England, 1956

Eva A. Sebo, 1986-2003
Professor of Sociology
B.S., Columbia University, 1963
M.S., Columbia University, 1964
Ed.D., Columbia University, 1977

Michelina A. Smith, 1993-2001
Associate Professor of Education
B.S., The Ohio State University, 1954
M.A., The Ohio State University, 1985
Ph.D., The Ohio State University, 1990

Jean K. Spero, 1978-1991
Assistant Professor of Human Ecology
B.S., The Ohio State University, 1971
M.S., The Ohio State University, 1974

Thomas R. Tegenkamp, 1962-1995
Associate Professor of Life Science
B.S., The Ohio State University, 1952
M.S., The Ohio State University, 1954
Ph.D., The Ohio State University, 1961

Fred J. Thayer, 1960-1993
Professor of Theatre
B.S.Ed., Bowling Green State University, 1951
M.A., Bowling Green State University, 1957

Phyllis Tillett, 1969-1990
Assistant to the President

Roger J. Tremaine, 1964-2004
Assistant Professor of Mathematics
B.S.Ed., Kent State University, 1961
M.A., Arizona State University, 1964

JoAnn L. Tyler, 1962-1997
Professor of Health, Physical Education
B.S., Mississippi State College for Women, 1956
M.A., The Ohio State University, 1962
Ph.D., The Ohio State University, 1972

Sylvia P. Vance, 1961-1991
Professor of French
B.A., Otterbein College, 1947
M.A., The Ohio State University, 1948
Ph.D., The Ohio State University, 1980

Joanne F. VanSant, 1948-1993
Vice President for Student Personnel and Dean of Students Emerita
B.A., Denison University, 1946
M.A., The Ohio State University, 1953

Mary Cay Wells, 1979-1992
Professor of Education
B.A., Otterbein College, 1947
M.A., Bowling Green State University, 1949
Ph.D., The Ohio State University, 1979

Eleanor J. Willis, 1955-1991
Professor of Life Science
B.S., Ohio University, 1949
M.S., Ohio University, 1950
Ph.D., University of Illinois, 1954

Thomas A. Willke, 1987-1997
Professor of Mathematics
A.B., Xavier University, 1954
M.S., The Ohio State University, 1956
Ph.D., The Ohio State University, 1960

Nancy P. Woodson, 1992-2004 (1986-87)
Professor of English
B.A., University of Michigan, 1957
M.Ed., North Adams State College, 1962
Ph.D., The Ohio State University, 1985

Richard P. Yantis, 1976-1997
Professor of Mathematics
B.S., U.S. Naval Academy, 1954
M.A., University of North Carolina, 1962
Ph.D., The Ohio State University, 1966

Elmer W. Yoest, 1956-1992
Professor of Physical Education
B.S.Ed., Otterbein College, 1953
M.A., The Ohio State University, 1962
Ph.D., The Ohio State University, 1973

Academic Staff

Patricia Anderson, 1997-
Women's Tennis Coach
B.S., University of South Dakota

Lucy H. Cryan, 1994-
Director of Equestrian Studies - Equine Science
B.A., Otterbein College, 1986

Gerard T. D'Arcy, 1989-
Head Men's Soccer Coach/Men's Tennis Coach
Diploma, Loughborough College, England, 1977
M.A., Kent State University, 1980

Timothy Doup, 2003-
Assistant Football Coach
B.A., Otterbein College, 1992
M.A.T., Marygrove College, 2002

Charles Goodwin, 1998-
Head Athletic Trainer/Clinical Director, Health and Physical Education
B.A., Furman University, 1988
M.E.S.S., University of Florida, 1991

Marcia L. Hain, 1989-
Costume Shop Supervisor - Theatre/Dance
B.S., The Ohio State University, 1977

John Hocker, 2003-
Assistant Football Coach
B.A. Otterbein College, 2000

Stella Kane, 1996-
Dance Coordinator

John L. Kengla, 1986-
Academic Teaching Staff
B.S.Ed., Indiana University of Pennsylvania, 1967
M.A., Indiana University of Pennsylvania, 1972

Brandon Koons, 1995-
Head Women's Soccer Coach/Clements Facility Supervisor
B.A., Otterbein College, 1994
M.A.T., Otterbein College, 1998

Joseph J. Loth, 2003-
Head Football Coach
B.A., Otterbein College, 1990

Grace A. McDaniel, 1996-
Academic Teaching Staff-Education
B.S., Capital University, 1983
M.A., The Ohio State University, 1987

Fredrick Marsh, 1999-
Academic Teaching Staff - Art and Apple Platform Support
B.F.A., The Ohio State University, 1980
M.F.A., The Ohio State University, 1984

Randy Moore, 2003-
Assistant Football Coach and Director of Intramurals
B.S., University of Iowa, 1984
M.A., New Mexico State, 1989

James Peters, 1995-
Assistant Athletic Trainer/Clinical Instructor - Health and Physical Education
B.S., University of Michigan, 1990
M.Ed., Clemson University, 1993

Courtney Phillips, 2002-
Assistant Athletic Trainer/Director of Freeman Athletic Training Center
B.S., Wingate University, 1998
M.A., North Carolina State University, 2002

George Powell, 2000-
Head Baseball Coach
B.A., Ohio Weslyan University, 1992
M.A., Ashland University, 1998

Connie E. Richardson, 1991-
Women's Head Basketball Coach/Assistant to Women's Athletic Director - Health and Physical Education
B.A., Heidelberg College, 1986
M.S., The Ohio State University, 1989

Elizabeth Saltzgiver, 2000-
Audience Services Director of Theatre/Dance
B.A., Otterbein College, 1999

Sharon Sexton, 2000-
Head Women's Volleyball and Golf Coach
B.A., St. Bonaventure, 1996
M.Ed., Ashland University, 1999

Denise L. Shively, 1993-
Academic Teaching Staff - Communication
B.A., The Ohio State University, 1973
M.A., Central Michigan University, 1983

Matt Smith, 2003-
Head Men's Golf Coach
B.A., Otterbein College, 1999

David Stichweh, 1979-
Academic Teaching Staff-Art
B.A., Otterbein College, 1967
M.Div., United Methodist Seminary, 1970

David J. Stucki, 1996-
Academic Teaching Staff - Mathematical Sciences
B.S., Wheaton College, 1987
M.S., The Ohio State University, 1989

Deborah A. Torman, 1998-
Head Women's Softball Coach/Student Athletic Council Coordinator
B.A., Alma College, 1995
ATC/M.Ed., Bowling Green State University, 1997

Richard Uhrick, 2003-
Scenic Studio Supervisor - Theatre/Dance
B.F.A., Otterbein College, 1990
M.F.A. University of Missouri-Kansas City. 1997

Douglas W. Welsh, 1991-
Cross Country Supervisor/Head Track Coach/Health and Physical Education
B.A., Muskingum College, 1968
M.A., Ball State University, 1991

Patricia S. Wilson, 1992-
Academic Teaching Staff-Health and Physical Education
B.A., Muskingum College, 1984
M.S., Ohio University, 1988

Office of Academic Affairs

Patricia A. Frick, 1993-
Vice President for Academic Affairs/ Academic Dean
Professor of English
B.A., University of Rochester, 1973
M.A., University of Toronto, 1974
Ph.D., University of Toronto, 1979

Academic Support Center

Ellen E. Kasulis, 1991-
Director of Academic Support Center
B.A., Albertus Magnus College, 1970
M.L.S., Southern Connecticut State University, 1974

Ann I. Biancamano, 1995-
Developmental Mathematics Instructor
B.A., Leeds University, England, 1968
M.A., The Ohio State University, 1993
Regina Kengla, 2000-
Reading/Writing Specialist
B.S., Duquesne University, 1972
M.A., Duquesne University, 1976

Center for Teaching and Learning

Leslie Ortquist-Ahrens, 2002-
Director of the Center for Teaching and Learning
B.A., Hope College, 1983
M.A., Indiana University, 1988
Ph.D., Indiana University, 1999

Continuing Studies

Cynthia A. Jones, 1998-
Director of Continuing Studies Retention and Program Development
B.S., Otterbein College, 1998

Ruth A. Chavez, 1992-
Undergraduate and Graduate Advisor
B.S., The Ohio State University, 1975
M.S., The Ohio State University, 1978

Deanna S. Heermann, 2001-
Academic Advisor
B.A., Wittenberg University, 1987
M.A., Bowling Green State University, 1991

Judith Helfgott, 1999-
Continuing Studies Academic Advisor/ Student Teacher Supervisor
B.S., University of Cincinnati, 1981
M.S., Ohio State University, 1992

Carolyn T. Lammert 2003
Academic Coordinator Off-Campus Programs
B.A., Bowling Green State University, 1992
MLHR, The Ohio State University, 1997

Graduate Programs

Ann R. Rottersman, 1992-
Director of Graduate Programs Operation
B.A., University of Kentucky, 1980
M.A., The Ohio State University, 1988

April Pugh, 2002-
Assistant Director of Graduate Programs
B.A., Capital University, 1997
M.S., Miami University, 2002

Business Administration:
Susan R. Fagan, 2003-
Director of the Master of Business Administration Program
B.A., Seton Hill College, 1968
M.Ed., University of Pittsburgh, 1971
Ed.D., Rutgers University, 1980

Education:
Beth Domoracki, 2004-
Academic Advisor for Education
B.A., Vassar College, 1988
M.Ed., Rivier College, 1995

Melinda Harrington, 2001-
Academic Advisor for Education
B.S., Ohio Dominican College, 1970
M.A., The Ohio State University, 1975

Nursing:
Ruth A. Chavez, 1992-
Academic Advisor for Nursing
B.S., The Ohio State University, 1975
M.S., The Ohio State University, 1978

Grants and Special Projects
Nancy Nikiforow, 1995-
Director of Grants and Special Projects
B.S., Cleveland State University, 1979

Information Technology Services
John Lateulere, 1997-
Director of Information Technology
B.A., University of Notre Dame, 1969
M.A., John Carroll University, 1977

Tahsha Baumann, 2000-
Student Computing Manager

Frank Brusca, 2003-
Instructional Technologist
B.S., Towson State University, 1978
M.S., Towson State University, 1992

Debra A. Crouse, 1991-
Administrative Computer Specialist

Jeffrey M. Kasson, 2002-
Coordinator of Network Services and PC Computing
A.D., Columbus State Community College, 1986
B.S., The Ohio State University, 1990

Jon P. McClintock, 1989-
Administrative Systems Manager
B.A., Otterbein College, 1988

Tim Pindell, 1998-
Network Engineer
B.A., Capital University, 1995

Randy Reitz, 2000-
Information Technology Support Specialist

Vesna Sarafov, 1998-
Programmer/Analyst
B.S., Kiril & Metodi University, Macedonia, 1987

Niraj Sharma, 2003-
Computer Facilities Manager
B.S., Otterbein College, 2003

Aaron Thompson, 1994-
PC Support Coordinator
B.A., Otterbein College, 1994

Terri Tracy, 1994-
Information Technology Support Specialist

Instructional Support Services
Willie Franklin, 1983-
Director of Instructional Support Services
Diploma, Ohio Institute of Technology, 1983
A.D., DeVry Institute, 1991

John Langkals, 2004-
Video Conferencing Technician
B.A., The Ohio State University, in progress

Michael Meadows, 2003-
Audio-Video Technician
Associate of Science, Full Saidl Real World Education, 2001

Library
Lois F. Szudy, 1990-
Director of Library, Associate Professor
B.A., Miami University, 1975
M.L.S., Indiana University, 1976
M.A.E., Otterbein College, 1999

Doris Ebbert, 1987-
Collection Development Librarian, Assistant Professor
B.S.Ed., Ohio Northern University, 1969
M.L.S., University of Michigan, 1987

Stephen Grinch, 1998-
Archivist
B.A., Otterbein College, 1998

Amy B. Parsons, 2004-
Reference/Catalogue Librarian Assistant Professor
B.A., The Ohio State University, 1991
M.S.L., San Jose State University, 2002

P. Allen Reichert, 1999-
Electronic Access Librarian/ Associate Professor
B.S., Ball State University, 1992
M.A., University of Hawaii, 1994
M.L.S., Indiana University, 1996

Patricia E. Rothermich, 1983-
Reference/Business Librarian, Assistant Professor
B.A., Ohio Dominican College, 1964
M.L.S., Kent State University, 1988

Elizabeth A. Salt, 1983-
Catalog Librarian, Professor
B.A., Western College, 1974
M.A., The Ohio State University, 1975
M.L.S., Indiana University, 1979

Jane Wu, 1997-
Automation Librarian, Assistant Professor
B.S., Sun Yat-sen University, 1988
M.L.S., Clarion University, 1991

Registrar
Donald W. Foster, 1973-81, 1992-
Registrar
B.A., Otterbein College, 1973

Cynthia A. Davis, 1998-
Associate Registrar
B.A., University of Akron, 1985
M.Ed., Kent State University, 1990

Cheryl L. Gloege, 1991-
Assistant Registrar for Transfer Services
B.S., Ohio University, 1974

Laurie J. Mayhew, 1993-
Assistant Registrar for Graduation Services
B.S., Franklin University, 1980

Office of Student Affairs

Robert M. Gatti, 1978-
Vice President and Dean for Student Affairs
B.A., University of South Carolina, 1976
M.A., Indiana University, 1978

Lawrence J. Banaszak, 2003-
Director of Security
B.A., Duquesne University, 1976

Margarette C. Barkhymer, 1986-
Director of Career Development Services
B.A., Otterbein College, 1980
M.A., (2), Bowling Green State University, 1994

Monty Bradley, 1982-
Chaplain, Director of Religious Activities
B.A., Malone College, 1975
M.A., Kent State University, 1977
M.Div., Methodist Theological School of Ohio, 1980

Melissa Gilbert, 2003-
Director of Center for Community Engagement
B.A., The Ohio State University, 1984
M.A., University of Baltimore, 1988
Ph.D., Boston College, 2003

Angela L. Harris, 2002-
Assistant Dean of Students/Coordinator of Ethnic Diversity
B.A., Cheyney University, 1993
M.S., Western Maryland College, 1998

Joyce Jadwin, 1989-
Associate Dean of Students/Director of Residence Life
B.A., Otterbein College, 1989
M.A., The Ohio State University, 1991

Kate Porubcansky, 2003-
Assistant Dean for Campus Enrichment/ Director of Orientation and the Campus Center
B.A., Marquette University, 2001
M.A., The Ohio State University, 2003

Julie A. Saker, 2002-
Director of Greek Life, Student Activities and Leadership
B.S., University of Illinois, 1980
M.S., Miami University, 1982

Charles Vedder, 1987-
Director of International Student Programs
B.S., The Ohio State University, 1969
M.A., The Ohio State University, 1971

Office of Admission and Financial Aid

Thomas H. Stein, 1992-
Vice President for Enrollment
B.A., Ohio Northern University, 1978
M.S., University of Dayton, 1980
Kirsten Bell, 2004-
Financial Aid Counselor
B.A., Ohio University, 1990

Philip F. Bovenizer, 1980-
Associate Director of Financial Aid
B.M.E., Otterbein College, 1979

Kristen Coffman, 2004-
Admission Counselor
B.A., Otterbein College, 2004

Catherine M. Johnson, 1980-
Director of Admission
B.S.E., Northern Illinois University, 1975
M.A., Northwestern University, 1979
Ph.D., Ohio University, 1998

Nate Jones, 2004-
Admission Counselor
B.A., Otterbein College, 2003

Mark Moffitt, 1998-
Associate Director of Admission
B.S., Ohio University, 1992
M.Ed., Ohio Univesity, 1996

Mary L. Neels, 1990-
Assistant Director of Financial Aid
B.A., Otterbein, 1990

Lavona See, 1991-
Associate Director of Admission
B.S., The Ohio State University, 1987
M.A., The Ohio State University, 1991

Ben Shoemaker, 2002-
Assistant Director of Admission
B.S., Ohio University, 2000
M.A., Ohio University, 2002

Jonelle Streby, 1999-
Assistant Director of Admission
B.A., Westminster College, 1999

M. Jeanne Talley, 1986-
Associate Director of Admission/Director of Enrollment for Students of Color
B.A., The Ohio State University, 1979
M.A., The Ohio State University, 1981

Thomas V. Yarnell, 1986-
Director of Financial Aid
B.A., Marietta College, 1976

Carolyn R. Alexander, 2000-
Admission Information Coordinator and Adviser
A.A., University of Cincinnati, 1984
B.S., University of Cincinnati, 1993

Tamara Anaya, 1998-
Assistant Director of Continuing Studies; Admission, Financial Aid and Operations
B.S. DeVry Institute of Technology, 1998

Office of Business Affairs

Stephen R. Storck, 1988-
Vice President for Business Affairs and Business Manager
B.S., Kings College, 1976
M.B.A., York College, 1989
Ph.D., Ohio University, 1996
C.P.A., 1983

Business Office

Judith C. Ralph, 1989-
Manager, Student Accounts

Steven H. Rosenberger, 1988-
Assistant Controller
B.S., Miami University, 1976

Deborah G. Runyon, 1980-
Student Loan Officer

Lynne L. Schneider, 1984-
Controller
A.B., Goucher College, 1968
C.P.A., 1979

Human Resources

Kathie Gibbs, 2004-
Director of Human Resources
B.A., The Ohio State University, 1994
EMBA, West Virginia University, 2001

Amy L. O'Connor, 2004-
Assistant Director of Human Resources
B.A., Marietta College, 1986

Service Department

Kevin S. Miner, 1994-
Director of Physical Plant
B.S., Brigham Young University, 1983

David Bell, 1974-
Associate Director of Physical Plant
B.A., Otterbein College, 1974

Mark Ewing, 1986-
Assistant Director of Physical Plant
B.A., Nazarene Bible College, 1980

Office of Institutional Advancement

Richard H. Dorman, 1996-
Vice President for Institutional Advancement
B.Mus., Susquehanna University, 1975
M.Ed., Pennsylvania State University, 1980
D.Ed., Pennsylvania State University, 1990

Joanne F. VanSant, 1948-
Special Consultant for Institutional Advancement
B.A., Denison University, 1946
M.A., The Ohio State University, 1953

Office of Development

Jack Pietila, 1983-
Executive Director of Planned Giving
B.S.Ed., Otterbein College, 1962
M.S., University of North Dakota, 1967

David Bender, 2003-
Database Administrator
B.A., Otterbein College, 1997

Lori Green, 2003-
Coordinator of Investor Relations
B.A., Denison University, 1988
M.L.S., Kent State University, 1995

Tracy Rush, 1994-
Director of Development Resources
B.A., University of Evansville, 1988

Rebecca F. Smith, 1981-
Director of Alumni Relations
B.A., Otterbein College, 1981
M.A., Bowling Green State University, 1984

Carolyn Williams, 2003-
Major Gifts Officer
B.A., University of Dayton, 1980

Kirk Winter, 2003-
Major Gifts Officer
B.A., The Ohio State University, 1996
M.Ed., The Ohio State University, 1998

College Relations

Jennifer Hill, 1999-
Assistant Director Publications/News Information
B.S.J., Ohio University, 1999

Amy Householder, 2001-
Web Site Manager
B.F.A., Columbus College of Art & Design, 1985

Roger Routson, 1995-
Director of Publications
A.D., Lorain Co. Community College, 1973
A.D., Columbus State Community College, 1978

Edward P. Syguda, 1984-
Assistant Director of College Relations/ Sports Information Director/ Photographer
B.A., The Ohio State University, 1978

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