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Fall 1999

### 1999-2001 Otterbein College Undergraduate Course Catalog

Otterbein University

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Autumn, 1999 ~ Summer, 2001

# Otterbein *College*

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*Undergraduate*  
**Course Catalog**



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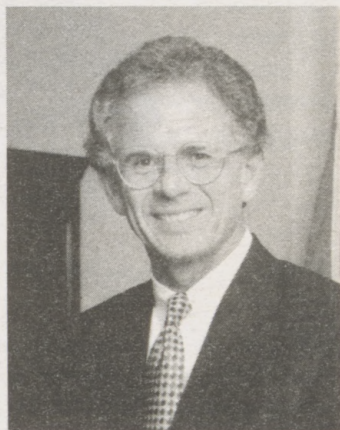
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## **Index**

# 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 prepares students for a broad range of careers. As a *liberal arts college*, students explore a breadth of subjects, looking beyond their immediate environment to embrace new perspectives.



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. We respect your individual talents and want to assist you to develop them to their full potential. We want you to be successful.

Welcome to Otterbein

Sincerely,

A handwritten signature in dark ink, reading "C. Brent DeVore". The signature is written in a cursive, flowing style.

C. Brent DeVore

President of Otterbein College



# 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.

## **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 2,800.

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 1860s, 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 twentieth 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 16<sup>th</sup> largest city (675,045) and the 29<sup>th</sup> largest metropolitan area in the country, is centrally located in Ohio. As the state capitol, Columbus is the eighth fastest growing city 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. Corporations with reputations for excellence such as CompuServe, Battelle Memorial Institute, Chemical Abstracts, Worthington Industries and the Limited Inc. call Columbus home. These businesses also provide excellent internship opportunities for Otterbein students.



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 Easton, the newest 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 Columbus Clippers, the minor league franchise for the New York Yankees, and in 2000 the introduction of the Columbus Blue Jackets hockey team which will play at the new Nationwide Arena.

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.

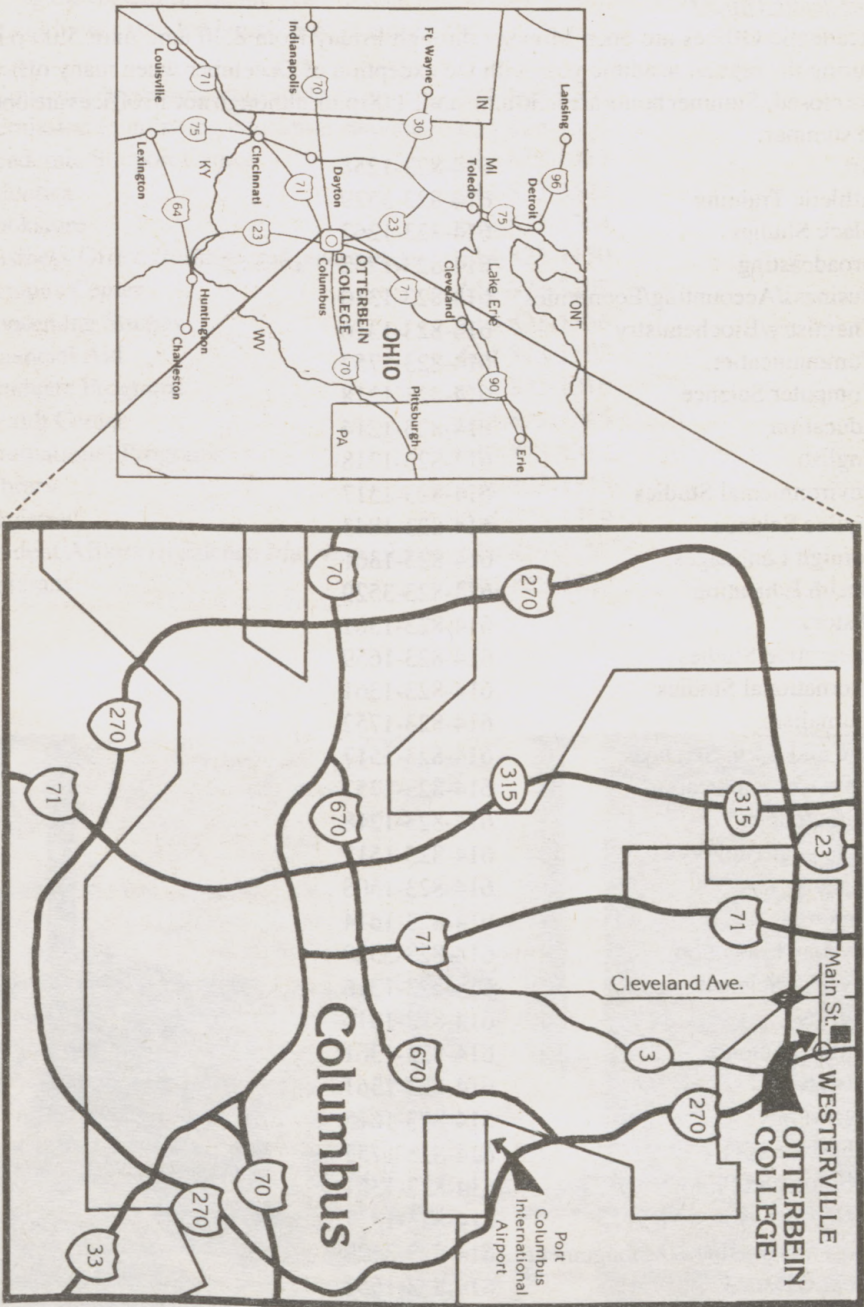




- |   |   |
|---|---|
| 1. Softball field                             | 29. Temporary Offices   |
| 2. Baseball field                             | 30. Tau Delta Sorority  |
| 3. Soccer field                               | 31. Hanby House (Ohio Historical Society)                             |
| 4.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

*(letters indicate parking lots)*





## **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 academic 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.

Art	614-823-1258
Athletic Training	614-823-3529
Black Studies	614-823-1267
Broadcasting	614-823-1752
Business/Accounting/Economics	614-823-1310
Chemistry/Biochemistry	614-823-1316
Communication	614-823-1752
Computer Science	614-823-1218
Education	614-823-1214
English	614-823-1218
Environmental Studies	614-823-1517
Equine Science	614-823-1843
Foreign Languages	614-823-1361
Health Education	614-823-3529
History	614-823-1361
Integrative Studies	614-823-1659
International Studies	614-823-1361
Journalism	614-823-1752
Life and Earth Sciences	614-823-1517
Mass Communication	614-823-1752
Mathematics	614-823-1218
Molecular Biology	614-823-1517
Music	614-823-1508
Nursing	614-823-1614
Physical Education	614-823-3529
Physical Science	614-823-1316
Physics	614-823-1316
Political Science	614-823-1361
Pre-Law	614-823-1361
Psychology	614-823-1615
Public Relations	614-823-1752
Religion and Philosophy	614-823-1361
Sociology	614-823-1837
Sport and Wellness Management	614-823-3529
Theatre/Dance	614-823-1657
Women's Studies	614-823-1837



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 Support Center	614-823-1413
Athletics	614-823-3529
Bookstore	614-823-1364
Business Office (billings and payments)	614-823-1150
Campus Center	614-823-3202
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
Registrar	614-823-1350
Student Affairs (residence life; meal plans)	614-823-1250
Veterans	614-823-1350





# IE ACADEMIC PROGRAM

## Degrees Offered

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

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

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

- aster of Business Administration (M.B.A.)
- aster of Arts in Education (M.A.E.)
- aster of Arts in Teaching (M.A.T.)
- aster 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 the senior year, all Otterbein students must meet a requirement called the Senior Year Experience (SYE). The requirement is designed to allow students to synthesize the learning done in their majors' courses with the learning they have done in their liberal arts core courses. The SYE 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 self-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**

*Choose one writing course.*

INST 100 Freshman Seminar

INST 105 Growing Up in America

INST 110 Composition and Literature: The Individual and Society

*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**

*Choose one religion and philosophy course.*

INST 250 Philosophy of Human Nature

INST 260 Human Nature in the Christian Tradition



*Required writing course.*

INST 270 Composition and Literature: The Dialogue of Men and Women

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

## **JUNIOR AND SENIOR REQUIREMENTS**

*Required writing course.*

INST 300 Composition and Literature: The Dilemma of Existence

*Choose one fine arts course.*

INST 310 Art Forms: Images and Ideas

INST 320 Music and Human Nature

INST 330 Theatre and Human Nature

*Choose two 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

*Choose one non-western cultures course.*

INST 380 Human Nature in Non-western Religions and Philosophies

INST 381 Music in Non-western Cultures

INST 382 African Cultures and Colonialism

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.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).

\* B.A. degree-seeking students who have taken the third year of any high school foreign language and received no grades lower than B in the third year are exempt from



this requirement. The Foreign Language department also administers a proficiency test to incoming freshmen, and students will be placed into the course appropriate to their skills level or, in some cases, may be able to demonstrate proficiency in 110 and be exempted from the foreign language requirement.

**\*\*B.S. degree-seeking students** who have taken the fourth year of any high school foreign language and received no grades lower than B in the fourth year are exempt from this requirement. The Foreign Language department also administers a proficiency test to incoming freshmen, and students will be placed into the course appropriate to their skills level or, in some cases, may be able to demonstrate proficiency in 120 and be exempted from the foreign language requirement.

### **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.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

There is no high school exemption for mathematics. However, it is possible to place out of part of the B.S. or all of the B.A. mathematics requirement based upon the score received on the College's placement examination. 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 (LAC 080; Math 090). In addition, some majors require more than one college level mathematics course.

### **The Physical Education Requirement:**

Candidates for all Bachelor's degrees must complete three, one credit-hour physical education courses (HPED 100s). 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.

A maximum of six quarter hours of HPED100 credit may be counted toward graduation. For each hour in excess of this limit, one hour will be added to the total hours required for graduation.

## Senior Year Experience Requirement

Candidates for all Bachelor's degrees must complete the Senior Year Experience (SYE). The SYE courses are designed to expose students to significant contemporary issues; to give them the tools for understanding and making ethical choices when faced with these issues; to teach students the skills of synthesis and integration of materials across disciplinary boundaries; and to allow students to bring together the learning they have done through both majors and Integrative Studies courses. Students must have completed 135 credit hours and seven of ten Integrative Studies courses before taking SYE requirement.

Courses and off-campus experiences meeting this requirement are listed in registration materials available in the Registrar's office. This requirement may be met by a variety of options. Students should check with their advisor and with the Registrar's office before selecting their SYE choice.

SYE options are expected to meet the following criteria:

- analyze complex contemporary issues, issues for which the liberal arts graduate is expected, by society, to provide leadership;
- develop, refine, and practice the skills of synthesis, ensuring that students draw from multiple disciplinary bases and move beyond relativist assessments of diverse perspectives to responsible synthesizing of these perspectives;
- use interdisciplinary course structure and materials, emphasizing that the liberal arts graduate needs to be able to recognize the strengths and the limits of different disciplines;
- structure active self-reflection, including conscious attention to ethics and personal values;
- provide models and structures for students to integrate learning, bringing to bear knowledge gained in core courses and knowledge derived from major and elective courses; and
- bring students into social and intellectual interaction with the wider community beyond Otterbein's campus.



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



### **BACHELOR OF SCIENCE (B.S.) MAJORS**

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

### **BACHELOR OF FINE ARTS (B.F.A.) MAJORS**

Acting  
Design/Technology  
Musical Theatre  
Musical Theatre with Dance Concentration

### **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.

### **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 a cumulative grade point average of at least 2.0.

#### **Minors offered:**

Accounting	Journalism
Art	Life Science
Black Studies	Mathematics
Broadcasting	Music
Business Administration	Philosophy
Chemistry	Physical Education
Coaching	Physics
Computer Science	Political Science
Dance	Public Relations
Economics	Psychology
Earth Science	Religion
English	Sociology
Environmental Studies	Spanish
French	Speech Communication
German	Sport Management
Health Education	Wellness Management
History	Women's Studies

### **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)
- at least one mathematics course (Math 115, 116, 120 or 150)
- three HPED 100 physical education activity 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 HPED 100 physical education activity 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 HPED 100 physical education activity 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 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 HPED 100 physical education activity 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 HPED 100 physical education activity 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 HPED 100 physical education activity 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 requirement for a Bachelor's degree, a student must complete at least 60 quarter hours of *classroom instruction* at Otterbein College. No more than 15 of the final 45 hours may be taken at an institution other than Otterbein.

At least 15 quarter hours of classroom instruction in the student's major field must be completed at Otterbein College for all degrees. Bachelor's degree candidates must complete these hours at the 300 or 400 course level. In addition, at least two Integrative Studies courses must be completed in classroom instruction at Otterbein. One of these must be at the 300/400 level.

### **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 a period of three consecutive quarters or more, not counting summer session, must meet the requirements for graduation as published in the catalog in effect 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 each quarter. 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**

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 including at least 15 quarter hours at the 300/400 level
3. two Integrative Studies courses one of which must be at the 300/400 level; 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.



## **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 of 1010 or greater) are invited. In addition, enrolled students who have completed 24 quarter hours at Otterbein with a 3.5 GPA or higher may join the program if they enroll in the honors section of either INST 100/105/110 or INST 270.

The program consists of four courses. In the freshman year, students must select one course from among honors sections of INST 100 (Freshman Seminar), INST 105 (Growing Up In America) and INST 110 (Composition and Literature). In the sophomore year, an honors section of INST 270 (Composition and Literature) must be selected. In the junior year, students will enroll in divisionally-based research seminars 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 in their academic disciplines.

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. Nancy Woodson of the English 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 (The Honors Program; Distinction; Latin)**

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

For Latin honors, which will be noted on the diploma and transcript, 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

For Honors Program recognition, a student must have completed the requirements of the honors program. "With Honors" will be noted on the diploma and transcript.

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" will be noted on the diploma and transcript.



## Course and Program Descriptions

### Course Prefix Translations

Course Prefix	Prefix Translation	Home Department	Page #
ACCT	Accounting	Business, Accounting and Economics	43
ART	Art	Art	37
ASC	Academic Support	Academic Support Center	35
ASL	American Sign Language	Foreign Languages	36
BADM	Business Administration	Business, Accounting and Economics	43
C SC	Computer Science	Mathematical Sciences	145
CHEM	Chemistry	Chemistry	55
COMM	Communication	Communication	63
DANC	Dance	Theatre and Dance	205
E SC	Earth Science	Life and Earth Sciences	133
ECON	Economics	Business, Accounting and Economics	43
EDUC	Education	Education	73
EFL	English as a Foreign Language	Foreign Languages	102
ENGL	English	English	85
ENST	Environmental Studies	Life and Earth Sciences	91
EQSC	Equine Science	Equine Science	93
ESL	English as a Second Language	Foreign Languages	102
FREN	French	Foreign Languages	102
FSO	Foreign Student Orientation	Foreign Languages	102
GERM	German	Foreign Languages	102
HIST	History	History and Political Science	123
HLED	Health Education	Health and Physical Education	111
HPED	Health and Physical Education	Health and Physical Education	111
INST	Integrative Studies	Integrative Studies	27
JAPN	Japanese	Foreign Languages	102
JOUR	Journalism	Communication	62
L SC	Life Science	Life and Earth Sciences	133
MATH	Mathematics	Mathematical Sciences	145
MCOM	Mass Communication	Communication	62
MUSC	Music	Music	156
NURS	Nursing	Nursing	167
P SC	Political Science	History and Political Science	123
PHED	Physical Education	Health and Physical Education	111
PHIL	Philosophy	Religion and Philosophy	189
PHYS	Physics	Physics and Astronomy	178
PSYC	Psychology	Psychology	184
RELG	Religion	Religion and Philosophy	189
SOCL	Sociology	Sociology	199
SPAN	Spanish	Foreign Languages	102
SYE	Senior Year Experience	Senior Year Experience	16
THR	Theatre	Theatre and Dance	205



# INTEGRATIVE STUDIES

*B. Daugherty (chairperson), and members of other departments.*

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 in which they live. The Program, because of its multidisciplinary nature, may enrich students' 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.

To encourage the achievement of these outcomes, the Integrative Studies Program aims to:

1. teach students to communicate clearly, think critically, analyze creatively, and view issues from several different points of view;
2. give students the breadth of knowledge and the understanding of a variety of disciplines that will allow them to be lifelong learners;
3. teach students to make connections across disciplines, helping them meet the complexity of contemporary life with interdisciplinary knowledge;
4. focus students on understanding human beings, their natures, their histories, and their place in the cosmos;
5. make students aware of moral and spiritual issues, including knowledge of their own beliefs and tolerance for those of others.

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 Substitution Policy. The substitution of alternate courses for specific Integrative Studies requirements is permitted under certain conditions. A list of these conditions and of approved alternate courses is included in the schedule of classes each quarter.

### **Freshman Requirements**

- Choose one (writing)*
- ☐ INST 100 Freshman Seminar
  - ☐ INST 105 Growing Up in America
  - ☐ INST 110 Composition and Literature: The Individual and Society
- 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**

- 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: The Dialogue of Men and Women

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

### **Junior and Senior Requirements**

- Required (writing)*
- ☐ INST 300 Composition and Literature: the Dilemma of Existence
- Choose one (fine arts)*
- ☐ INST 310 Art, the Artist, the Relationship
  - ☐ INST 320 Music and Human Nature
  - ☐ INST 330 Theatre and Human Nature
- Choose two (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
- Choose one (non-western thought)*
- ☐ INST 380 Human Nature in Non-western Religions and Philosophies
  - ☐ INST 381 Music in Non-western cultures
  - ☐ INST 382 African Cultures and Colonialism



## 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 — 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, Twentieth Century Sounds, Death and Dying, and History, Art, and Propaganda.

#### **INST 105 GROWING UP IN AMERICA**

**5 hrs**

This course examines major movements in the United States from the Great Depression to the present to understand how the historical and social developments of the twentieth century have shaped the lives of our grandparents, parents, and selves. 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 uses literature to examine social issues, especially how individuals relate to the communities to which they belong. Readings include poetry, fiction, essays, and drama.

#### 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 — 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 certification 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

### Religion/Philosophy — 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 human 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: THE DIALOGUE OF MEN AND WOMEN**

**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.*

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



## **JUNIOR AND SENIOR 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. Traditional authors such as Sophocles and Shakespeare are central to the course, but contemporary and non-Western writers are also included. Composition builds on skills developed in the freshman and sophomore courses and emphasizes synthesis. *Prereq: credit for INST 270 and 90 quarter hours.*

### **Fine Arts — 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 their approved substitutes.*

#### **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 320 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.*



**Sciences — Choose two; 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.

**Non-Western Cultures — Choose one; 5 hrs**

This requirement focuses on human nature from a variety of non-western perspectives and a variety of disciplines. Each option aims to broaden students' awareness of, and appreciation for, the many ways human beings understand themselves and the purpose of life, to 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.



# AMERICAN SIGN LANGUAGE

## *American Sign Language Courses (ASL)*

### **ASL 100 AMERICAN SIGN LANGUAGE I**

**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.

### **ASL 120 AMERICAN SIGN LANGUAGE III**

**5hrs**

A continuation of ASL 110.



# ART

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

## **Mission and Program**

The mission of the Art Department is to offer a studio-centered experience linked to a liberal arts framework that prepares the art graduate for a variety of professional career options.

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 Otterbein College art collection contains many works by 20th-century artists. The non-Western art collection includes African art and Japanese arts and crafts. Otterbein students have the opportunity to study quality art work they might otherwise see only in museums.

## **B.A. degree with a major in Art**

### *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)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### *Requirements in the major (at least 45 hrs):*

- ☐ Art 110 - 5 hrs
- ☐ Art 115 - 5 hrs
- ☐ Art 200 - 4 hrs
- ☐ Art 220 - 5 hrs
- ☐ Art 230 - 5 hrs
- ☐ Art 240 - 5 hrs
- ☐ a concentration of at least 3 courses chosen in consultation with an Art Department adviser - 15 hrs; concentration areas include ceramics, computer art, drawing, painting, photography, printmaking and visual communication
- ☐ a total of at least 45 hrs of ART with at least 15 hrs at 300/400 level
- Typically, majors take as many as 65 hours and are strongly encouraged to do so.

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)



### *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 Art**

*Required (at least 25 total hrs):*

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

Requirements for students seeking **Multi-Age Licensure in Art** appear in the *Teacher Education Programs* booklet available upon request from the Education Department. Requirements for the 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.

### **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 100 VISUAL THINKING**

**5 hrs**

Exploration of the relationship between visual and verbal languages using practical exercises to develop creative problem-solving skills. Projects have included book design, responses to films, issues of popular culture, and the urban environment.

#### **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 150 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 160 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 150.

**ART 170 ADVANCED PHOTOGRAPHY****3 hrs**

Semi-independent work in selected areas of photographic exploration. Individual and group critiques with an emphasis on the expressive qualities of the photographic medium. *Prereq:* ART 150 and 160, or permission of the instructor.

**ART 200 DRAWING I****4 hrs**

An introduction to drawing, in which both spontaneity and control are developed. Emphasis on seeing and shaping visual relationships. *Prereq:* ART 110 or permission of instructor.

**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 110 and 200, 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 NON-WESTERN ART****3 hrs (alt.yrs. 99-00)**

Study of selected non-Western cultures, with an emphasis on the role of art and its relationship to other aspects of life.

**ART 260 WOMEN ARTISTS IN HISTORY****5 hrs (alt.yrs. 99-00)**

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 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: 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 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. Repeatable to a total of eight credits. *Prereq: ART 210 or permission of instructor.*

**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 200 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 200 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 110, 115 and 200, or permission of instructor.*

**ART 355 VISUAL COMMUNICATION II**

**4 hrs**

Continued work in typography, layout and production. Investigation of such design areas as corporate identity, packaging 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. *Prereq: ART 110 and 200, or permission of instructor.* Repeatable to a total of 15 credits.

**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 10 credits.



**ART 380 COMPUTER ART****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 110 and 200. Repeatable to a total of 15 credits.*

**ART 385 INTRODUCTION TO COMPUTER GRAPHICS AND ANIMATION****5 hrs**

This course is designed to give students a general familiarity with computer graphics and 3D animation techniques using the PC platform, including the creation and manipulation of graphic images (2D and 3D), creating three-dimensional computer models, and creating 3D computer-assisted animations that illustrate a concept or tell a story. This course is applicable to all fields where visualization is needed to present an idea or a process, especially teachers, artists, 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 440 ADVANCED STUDIO PROJECTS****5 hrs**

Advanced work in one studio area, following completion of upperlevel 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.*

**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

*Sociology Department (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 three)

- ☐ ENGL 230 - 5 hrs African-American Literature
- ☐ HIST 260 - 5 hrs African-American History
- ☐ SOCL 160 - 5 hrs Sociology of the Black Experience

Art, Economics, Education, English, Music 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 234 - 5 hrs The Harlem Renaissance
- ☐ MUSC 275 - 2 hrs Popular Music Styles
- ☐ SOCL 210 - 5 hrs Social Problems
- ☐ SOCL 250 - 5 hrs Sociology of the Family
- ☐ SOCL 300 - 5 hrs Racial and Ethnic Relations
- ☐ SOCL 380 - 5 hr Urban Society

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. 26.



# BUSINESS, ACCOUNTING AND ECONOMICS

*Abdallah, Arch, Aristotelous, Bailey, Dennis, Eskew, Huber, Jones, Lewis, Lin, Mafi, Prindle, Wallenbrock.*

## **Mission and Programs**

The Business, Accounting and Economics Department, with 12 full-time faculty members and several adjunct faculty, seeks to provide a thorough understanding of business and economics concepts that will encourage our students to participate in an intelligent and 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 prepared 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** or the **five-year major**.

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 pass a qualifier exam administered by the State Board of Accountancy to sit for the CPA Examination. If students do not pass the qualifier exam, 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

### *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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### *Requirements in the major (90 hrs or equivalent):*

- |  |  |
|--|--|
| <input type="checkbox"/> ACCT 200 - 5 hrs  | <input type="checkbox"/> BADM 350 - 5 hrs                    |
| <input type="checkbox"/> ACCT 210 - 5 hrs  | <input type="checkbox"/> BADM 480 - 5hrs                     |
| <input type="checkbox"/> ACCT 330 - 5 hrs  | <input type="checkbox"/> COMM 280 - 5hrs                     |
| <input type="checkbox"/> ACCT 370 - 5 hrs  | <input type="checkbox"/> ECON 210 - 5hrs                     |
| <input type="checkbox"/> ACCT 380 - 5 hrs  | <input type="checkbox"/> ENGL 335 - 5 hrs                    |
| <input type="checkbox"/> ACCT 385 - 5 hrs  | <input type="checkbox"/> MATH 230 - 5 hrs                    |
| <input type="checkbox"/> BADM 300 - 5 hrs  | <input type="checkbox"/> MATH 260 - 5 hrs (required for B.A. |
| <input type="checkbox"/> BADM 340 - 5 hrs  | degree only)   |
| <input type="checkbox"/> 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.   |  |

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22.)

### *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

### *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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### *Requirements in the major (110 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> ACCT 200 - 5 hrs | <input type="checkbox"/> BADM 300 - 5 hrs |
| <input type="checkbox"/> ACCT 210 - 5 hrs | <input type="checkbox"/> BADM 310 - 5 hrs |
| <input type="checkbox"/> ACCT 310 - 5 hrs | <input type="checkbox"/> BADM 340 - 5 hrs |
| <input type="checkbox"/> ACCT 330 - 5 hrs | <input type="checkbox"/> BADM 350 - 5 hrs |
| <input type="checkbox"/> ACCT 350 - 5 hrs | <input type="checkbox"/> BADM 480 - 5 hrs |
| <input type="checkbox"/> ACCT 370 - 5 hrs | <input type="checkbox"/> COMM 280 - 5 hrs |
| <input type="checkbox"/> ACCT 380 - 5 hrs | <input type="checkbox"/> ECON 210 - 5 hrs |
| <input type="checkbox"/> ACCT 385 - 5 hrs | <input type="checkbox"/> ECON 220 - 5 hrs |
| <input type="checkbox"/> ACCT 410 - 5 hrs | <input type="checkbox"/> ENGL 335 - 5 hrs |
| <input type="checkbox"/> ACCT 420 - 5 hrs | <input type="checkbox"/> MATH 230 - 5 hrs |
| <input type="checkbox"/> ACCT 430 - 5 hrs | <input type="checkbox"/> 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.



*Required total hours for the degree:*

- ☐ At least 180 but more typically closer to 200 (also see exceptions/additional comments on p. 22).

*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.

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 (Transition to the Work Force).

## **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 course designed for students to become knowledgeable about the principles of recording, classifying and presenting financial data. *Prereq: MATH 115 and proficiency in computer usage.*

### **ACCT 210 MANAGERIAL ACCOUNTING**

**5 hrs**

The second introductory course emphasizing the use of accounting for making decisions in the managerial environment. *Prereq: ACCT 200.*

### **ACCT 310 TAXES**

**5 hrs**

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

### **ACCT 330 ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS**

**5 hrs**

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

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

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

Continuation of Accounting 370 and 380. 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

The course provides students with an opportunity 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 accounting, 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-ACCOUNTING TOPICS**

1-5 hrs

Study of topics related to accounting practice or theory.



## BUSINESS ADMINISTRATION

The **major in business administration** consists of 12 or 13 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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (85 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> ACCT 200 - 5 hrs | <input type="checkbox"/> ECON 210 - 5 hrs                                 |
| <input type="checkbox"/> ACCT 210 - 5 hrs | <input type="checkbox"/> ECON 220 - 5 hrs                                 |
| <input type="checkbox"/> BADM 300 - 5 hrs | <input type="checkbox"/> ENGL 335 - 5 hrs                                 |
| <input type="checkbox"/> BADM 310 - 5 hrs | <input type="checkbox"/> MATH 230 - 5 hrs                                 |
| <input type="checkbox"/> BADM 340 - 5 hrs | <input type="checkbox"/> MATH 260 - 5 hrs (required for B.A. degree only) |
| <input type="checkbox"/> BADM 370 - 5 hrs |   |

☐ BADM 440 or 450 or 470 or 480 - 5 hrs

☐ COMM 100 or 280 - 5 hrs

• An internship is highly recommended.

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

One of the following 20-hour concentration or elective areas is also required:

#### 1. Business elective area

- ☐ 20 hours of electives from any other BADM electives

#### 2. Finance Concentration (at least four courses required)

- |   |   |
|---|---|
| <input type="checkbox"/> ACCT 310 - 5 hrs   | <input type="checkbox"/> BADM 460 - 5 hrs |
| <input type="checkbox"/> BADM 420 - 5 hrs   | <input type="checkbox"/> ECON 380 - 5 hrs |
| <input type="checkbox"/> 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)

- |  |   |
|--|---|
| <input type="checkbox"/> BADM 370 - 5 hrs  | <input type="checkbox"/> ECON 320 - 5 hrs |
| <input type="checkbox"/> BADM 375 - 5 hrs  | <input type="checkbox"/> ECON 440 - 5 hrs |
| <input type="checkbox"/> BADM 385 - 5 hrs  |   |
| <input type="checkbox"/> 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)

- |   |   |
|---|---|
| <input type="checkbox"/> BADM 320 - 5 hrs | <input type="checkbox"/> BADM 415 - 5 hrs |
| <input type="checkbox"/> BADM 330 - 5 hrs | <input type="checkbox"/> BADM 499 - 5 hrs |
| <input type="checkbox"/> BADM 385 - 5 hrs | <input type="checkbox"/> 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.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 recommended: ACCT 200/210, BADM 300/310/340 and ECON 210.

**Real Estate courses for Graduate Realtor Institute certification**

*Required (8 hrs):*

- ☐ BADM 230 - 2 hrs
- ☐ BADM 250 - 2 hrs
- ☐ BADM 240 - 2 hrs
- ☐ BADM 260 - 2 hrs
- These courses are offered in the evening only providing there is sufficient student demand.

**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 230 PRINCIPLES AND PRACTICES OF REAL ESTATE** 2 hrs  
An introduction to the profession of real estate as practiced in Ohio. Includes historical overview and a study of real estate values, markets, legal aspects, financing, tax factors and brokerage. *This is one of four required courses for real estate certification in Ohio.*

**BADM 240 REAL ESTATE LAW** 2 hrs  
A survey of real estate law effective in Ohio. Includes a survey of law dealing with licensing, titles, deeds, federal and state taxation, mortgages, contracts, zoning and civil rights. *This is one of four required courses for real estate certification in Ohio.*



**BADM 250 REAL ESTATE APPRAISAL**

**2 hrs**

Methods of appraising residential property. Required for licensing and GRI certification. *This is one of four required courses for real estate certification in Ohio.*

**BADM 260 REAL ESTATE FINANCE**

**2 hrs**

Methods of financing residential and commercial property. Required for licensing and GRI certification. *This is one of four required courses for real estate certification in Ohio.*

**BADM 300 PRINCIPLES OF MANAGEMENT**

**5 hrs**

Exploration of management principles based upon managerial experience and behavioral science concepts. *Prereq: ECON 210.*

**BADM 310 PRINCIPLES OF MARKETING**

**5 hrs**

Presents fundamental 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**

Study of contemporary topics and procedures of personnel administration. *Prereq: BADM 300.*

**BADM 330 OPERATIONS MANAGEMENT**

**5 hrs**

A study of production and service systems. Topics include forecasting, quality control, inventory decisions, production planning and scheduling, capacity planning, job design and work measurement. *Prereq: BADM 300 and MATH 230.*

**BADM 340 BUSINESS FINANCE**

**5 hrs**

Students will gain an appreciation of the role of financial markets and institutions in our economy as well as an introduction to the responsibilities, concerns and methods of analysis employed by corporate financial managers. *Prereq: ACCT 210, ECON 210 and MATH 230.*

**BADM 350 BUSINESS LAW**

**5 hrs**

A study of the legal aspects of business. Emphasis will be placed on the uniform commercial code dealing with obligations and contracts, agency, sales and negotiable instruments.

**BADM 365 SALES MANAGEMENT**

**5 hrs**

This is an elective course for those interested in sales force management. This course will focus on the activities and problems of the sales manager. Subjects 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 enterprise in the international environment. *Prereq: ECON 210 and 220.*

**BADM 375 INTERNATIONAL MARKETING**

**5 hrs**

The course focuses on the basic 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, the type of entry and the use of intermedia. *Prereq: BADM 310 or 370.*

**BADM 380 TRANSITION TO THE WORK FORCE**

**2 hrs**

Designed as a preparation for the transition to the business workplace. The course will provide students with a solid background in future career development. The following topics will be covered: resume and cover letter writing, interviewing, career planning, researching careers and employers, on-line job searches, portfolio development, preparation for graduate school, and other related topics. Emphasis will be on training for successful internship and career placement. The course will rely on speakers from the business community to achieve its objectives. *Prereq: Junior or senior level standing or permission of instructor.*

**BADM 385 INTERNATIONAL COMPARATIVE MANAGEMENT**

**5 hrs**

This course will emphasize cross-cultural management analysis 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**

The course provides students with an opportunity 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**

Analysis of training and development topics and training design. Instruction will emphasize 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 this 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**

Case studies of marketing strategies for profit and nonprofit organizations. *Prereq: BADM 310 and MATH 230.*

**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: BADM 340 and 420.*

**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 470 INTERNATIONAL BUSINESS POLICY AND STRATEGY**

**5 hrs**

This course will cover the formulation and implementation of multinational business strategy. Major concepts include: environmental scanning, planning location strategies, entry and ownership strategies, technology transfer, intracompany lineage and research. *Prereq: BADM 370.*

**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' 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: All the core curriculum requirements.*

**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 495 QUALITY MANAGEMENT**

**5 hrs**

This course is 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.

### **BADM 499 SEMINAR IN BUSINESS PRACTICE**

**2-5 hrs**

Special topics that offer in-depth study of some aspects of business. Small business management, organizational behavior, sales, total quality management, industry analysis, or others based on student-instructor interest. *Senior standing required.*

## **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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (75 hrs or equivalent):*

- |  |  |
|--|--|
| <input type="checkbox"/> ACCT 200 - 5 hrs                                    | <input type="checkbox"/> ECON 320 - 5 hrs                    |
| <input type="checkbox"/> BADM 300 - 5 hrs                                    | <input type="checkbox"/> COMM 280 - 5 hrs                    |
| <input type="checkbox"/> BADM 310 - 5 hrs                                    | <input type="checkbox"/> ENGL 335 - 5 hrs                    |
| <input type="checkbox"/> ECON 210 - 5 hrs                                    | <input type="checkbox"/> MATH 230 - 5hrs                     |
| <input type="checkbox"/> ECON 220 - 5 hrs                                    | <input type="checkbox"/> MATH 260 - 5 hrs (required for B.A. |
| <input type="checkbox"/> ECON 310 - 5 hrs                                    | degree only)   |
| <input type="checkbox"/> additional Economics - 20 hrs of any ECON electives |  |
- When pursuing an internship, it is recommended that BADM 380 be taken as well.
  - When preparing for graduate study in Economics, it is recommended that a total of eight ECON courses and MATH 170, 180 be taken as well.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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
- ☐ Remaining hours from among any other ECON courses.
- ☐ ECON 310 - 5 hrs
- ☐ ECON 320 - 5 hrs
- A Business Administration or Accounting major who is seeking an Economics minor **cannot** count the same economics course toward both the major and the minor.

## 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 ECONOMICS—MICRO**

**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 ECONOMICS—MACRO**

**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.*

### **ECON 350 COMPARATIVE ECONOMIC SYSTEMS**

**5 hrs**

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 210 and 220 or permission of instructor.*



**ECON 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 enterprise in the international environment. *Prereq: ECON 210 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**

The course provides students with an opportunity 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 420 CURRENT ECONOMIC ISSUES**

**5 hrs**

An analytical examination of current economic issues with a focus toward microeconomics and industry evaluation. Government policy focus is included. Students will look at both sides of economic policy issues. *Prereq: ECON 210 and 220 or permission of instructor.*

**ECON 440 ECONOMIC DEVELOPMENT AND GROWTH**

**5 hrs**

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 or permission of instructor.*

**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**

**2-5 hrs**

Special Topics/Independent Study projects in economics.



# CHEMISTRY

Jenkins (chairperson), Johnston, Place, Yang.

## Mission and Programs

The Chemistry Department consists of four full-time faculty and two part-time faculty members. 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 (appropriate for careers in Chemistry or graduate school preparation) or Basic concentrations, and **Biochemistry** (appropriate for careers in Biochemistry, graduate school preparation, medical research, or pre-professional programs leading to health-related careers such as medicine, dentistry, optometry, veterinary medicine, 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. 14)
- ☐ Mathematics - fulfilled by completing the math required in the major
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### Requirements in the major (73 to 92 hrs or equivalent):

- |   |   |
|---|---|
| <input type="checkbox"/> MATH 170 - 5 hrs | <input type="checkbox"/> PHYS 140 - 5 hrs |
| <input type="checkbox"/> MATH 180 - 5 hrs | <input type="checkbox"/> PHYS 150 - 5 hrs |
|   | <input type="checkbox"/> PHYS 160 - 5 hrs |

One of the following two concentrations is also required:

#### 1. Basic Chemistry Concentration

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 140 - 3 hrs | <input type="checkbox"/> CHEM 251 - 1 hr  |
| <input type="checkbox"/> CHEM 141 - 1 hr  | <input type="checkbox"/> CHEM 260 - 3 hrs |
| <input type="checkbox"/> CHEM 150 - 3 hrs | <input type="checkbox"/> CHEM 261 - 1 hr  |
| <input type="checkbox"/> CHEM 151 - 1 hr  | <input type="checkbox"/> CHEM 270 - 5 hrs |
| <input type="checkbox"/> CHEM 160 - 3 hrs | <input type="checkbox"/> CHEM 280 - 5 hrs |
| <input type="checkbox"/> CHEM 161 - 1 hr  | <input type="checkbox"/> CHEM 340 - 5 hrs |
| <input type="checkbox"/> CHEM 240 - 3 hrs | <input type="checkbox"/> CHEM 341 - 1 hr  |
| <input type="checkbox"/> CHEM 241 - 1 hr  | <input type="checkbox"/> CHEM 400 - 2 hrs |
| <input type="checkbox"/> CHEM 250 - 3 hrs |   |

- ☐ remaining hours from any other CHEM courses at 300/400 level; CHEM hours must total at least 48



2. American Chemical Society Certified Chemistry concentration

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 140 - 3 hrs | <input type="checkbox"/> CHEM 261 - 1 hr  |
| <input type="checkbox"/> CHEM 141 - 1 hr  | <input type="checkbox"/> CHEM 270 - 5 hrs |
| <input type="checkbox"/> CHEM 150 - 3 hrs | <input type="checkbox"/> CHEM 280 - 5 hrs |
| <input type="checkbox"/> CHEM 151 - 1 hr  | <input type="checkbox"/> CHEM 340 - 5 hrs |
| <input type="checkbox"/> CHEM 160 - 3 hrs | <input type="checkbox"/> CHEM 341 - 1 hr  |
| <input type="checkbox"/> CHEM 161 - 1 hr  | <input type="checkbox"/> CHEM 350 - 5 hrs |
| <input type="checkbox"/> CHEM 240 - 3 hrs | <input type="checkbox"/> CHEM 351 - 1 hr  |
| <input type="checkbox"/> CHEM 241 - 1 hr  | <input type="checkbox"/> CHEM 380 - 5 hrs |
| <input type="checkbox"/> CHEM 250 - 3 hrs | <input type="checkbox"/> CHEM 400 - 2 hrs |
| <input type="checkbox"/> CHEM 251 - 1 hr  | <input type="checkbox"/> MATH 190 - 5 hrs |
| <input type="checkbox"/> CHEM 260 - 3 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
- ENGL 335, Technical and Report Writing, is recommended.

*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. 22)

*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. 14)
- ☐ Mathematics - fulfilled by completing the math required in the major
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

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

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 140 - 3 hrs | <input type="checkbox"/> CHEM 341 - 1 hr  |
| <input type="checkbox"/> CHEM 141 - 1 hr  | <input type="checkbox"/> CHEM 400 - 2 hrs |
| <input type="checkbox"/> CHEM 150 - 3 hrs | <input type="checkbox"/> CHEM 450 - 3 hrs |
| <input type="checkbox"/> CHEM 151 - 1 hr  | <input type="checkbox"/> CHEM 460 - 3 hrs |
| <input type="checkbox"/> CHEM 160 - 3 hrs | <input type="checkbox"/> CHEM 465 - 4 hrs |
| <input type="checkbox"/> CHEM 161 - 1 hr  | <input type="checkbox"/> L SC 101 - 5 hrs |
| <input type="checkbox"/> CHEM 240 - 3 hrs | <input type="checkbox"/> L SC 102 - 5 hrs |
| <input type="checkbox"/> CHEM 241 - 1 hr  | <input type="checkbox"/> L SC 103 - 5 hrs |
| <input type="checkbox"/> CHEM 250 - 3 hrs | <input type="checkbox"/> MATH 170 - 5 hrs |
| <input type="checkbox"/> CHEM 251 - 1 hr  | <input type="checkbox"/> MATH 180 - 5 hrs |
| <input type="checkbox"/> CHEM 260 - 3 hrs | <input type="checkbox"/> PHYS 140 - 5 hrs |
| <input type="checkbox"/> CHEM 261 - 1 hr  | <input type="checkbox"/> PHYS 150 - 5 hrs |
| <input type="checkbox"/> CHEM 280 - 5 hrs | <input type="checkbox"/> PHYS 160 - 5 hrs |
| <input type="checkbox"/> CHEM 340 - 5 hrs |   |

- ☐ L SC electives at 200 level or above - 10 hrs
- ☐ Any CHEM, L SC or PHYS elective at 200 level or above - 5 hrs



*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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):*

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 140 - 3 hrs | <input type="checkbox"/> CHEM 241 - 1 hr  |
| <input type="checkbox"/> CHEM 141 - 1 hr  | <input type="checkbox"/> CHEM 250 - 3 hrs |
| <input type="checkbox"/> CHEM 150 - 3 hrs | <input type="checkbox"/> CHEM 251 - 1 hr  |
| <input type="checkbox"/> CHEM 151 - 1 hr  | <input type="checkbox"/> CHEM 260 - 3 hrs |
| <input type="checkbox"/> CHEM 160 - 3 hrs | <input type="checkbox"/> CHEM 261 - 1 hr  |
| <input type="checkbox"/> CHEM 161 - 1 hr  | <input type="checkbox"/> CHEM 280 - 5 hrs |
| <input type="checkbox"/> CHEM 240 - 3 hrs |   |

## 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 atoms, energy, bonding, reactions, equations, and calculations. *Prereq:* One year each of high school algebra and chemistry or permission of the instructor.

### CHEM 220 SURVEY OF BIO-ORGANIC CHEMISTRY

6 hrs

An overview of major reactions of organic functional groups, followed by an examination of these reactions in the context of biochemistry. The structure and metabolism of carbohydrates, proteins, lipids, and nucleic acids are explored. *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 series 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, reaction calculations, stoichiometry, gas laws, thermodynamics and reaction types such as acid-base and redox. *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. Experiments include measurements of physical and chemical properties of matter. *Coreq: CHEM 140.*

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

Continuation of Chemistry 140. Course content includes the structure of atoms and molecules, intra- and intermolecular forces, energy relationships, solutions and gaseous equilibria. *Prereq: CHEM 140. Coreq: MATH 116 or 120.*

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

Continuation of Chemistry 141. Qualitative, quantitative, and computer-based experiments are performed which support the concepts covered in lecture. *Prereq: CHEM 141. Coreq: CHEM 150.*

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

Continuation of Chemistry 150. Inorganic and analytical topics include acid-base equilibria, solubility and complex ion formation, electron transfer reactions, and an introduction to main-group and transition element 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.*

**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.*

**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.**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.**CHEM 270 INORGANIC CHEMISTRY****5 hrs***Lecture and laboratory*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. Laboratory focuses on synthesis and characterization of organometallic and coordination compounds. *Prereq:* CHEM 160 and 161.**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 gas chromatographic separation techniques are taught. Three lectures, one 1-hr computer lab, and one 4-hr lab per week. *Prereq:* CHEM 160 and 161.**CHEM 340 PHYSICAL CHEMISTRY I****5 hrs**Theory and applications of molecular motion, statistical mechanics, thermodynamics and quantum theory. *Prereq:* MATH 180 and PHYS 160. *Coreq:* CHEM 280 or permission of instructor.**CHEM 341 PHYSICAL CHEMISTRY I LABORATORY****1 hr**Theory and applications of thermodynamics and bonding principles, particularly as related to physical biochemistry. *Coreq:* CHEM 340.**CHEM 350 PHYSICAL CHEMISTRY II****5 hrs**Continuation of Chemistry 340. Advanced theory and applications of molecular motion, thermodynamics, quantum theory, bonding, and spectroscopy. *Prereq:* CHEM 340.**CHEM 351 PHYSICAL CHEMISTRY II LABORATORY****1 hr**Theory and applications of gas phase, thermodynamic, and spectroscopic quantitative measurements. *Coreq:* CHEM 350.



**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, atomic absorption spectroscopy, gas and liquid chromatography, electroanalytical techniques and computer interfacing. Ability to use computer spreadsheet programs and knowledge of basic statistical analysis are assumed. Emphasis is placed on real life sample analyses and on ability to design appropriate experiments. *Prereq: CHEM 280 and 340.*

**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, followed by 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*

A discussion of advanced topics and current research in biochemistry, including modern DNA technologies, control of metabolic pathways, enzyme-substrate recognition and kinetic mechanisms, protein structure modeling, drug interactions, and use of biochemical databases such as the Brookhaven Protein Data Bank. Laboratory work includes computer modeling of protein and DNA structures, enzyme kinetics, and 2-D NMR techniques. *Prereq: CHEM 280 and 460.*

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

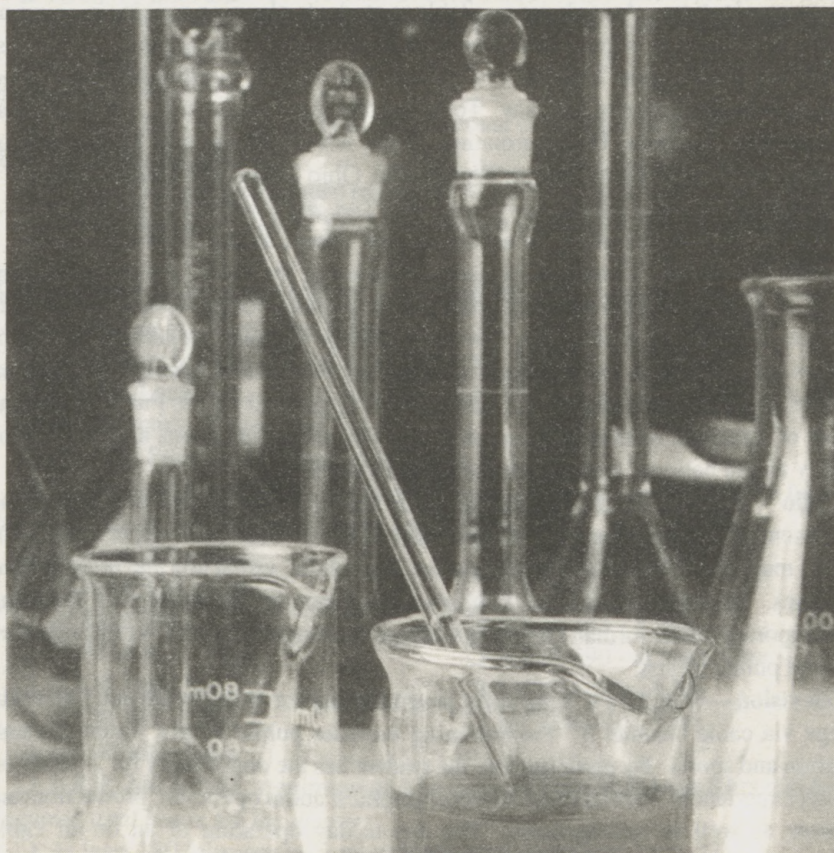
In depth treatment of advanced topics in inorganic chemistry, including quantum theory, group-theory, advanced bonding theory, electronic spectra, magnetism, organotransition metal chemistry, bioinorganic chemistry, catalysis, and an introduction to band-theory in solids. *Prereq: CHEM 270 and 340.*

**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

*Weispfenning (chairperson), Buckles, Demas, Ludlum, Mason, Millsap, Reynolds, Sabbath, Shively, Strayer.*

## **Mission and Programs**

The Department of Communication consists of 10 full-time faculty members and defines its mission as: (1) to support the general education of all students; (2) to support pre-professional and pre-graduate education for majors; (3) to provide service to other departments via course and activity offerings; and (4) to serve as advocates and representatives of the communication discipline on campus and as representatives of the College to the discipline.

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 public relations major is offered in the evening and the organizational communication major is offered in both evening and weekend programs. The department also provides required courses for several majors and sponsors co-curricular activities.

## **Communication Related Activities**

**Communication**—Awards are available to students planning a major in 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. (614-823-1753)

**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.

**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 business administration, journalism, visual arts and other related disciplines. The station broadcasts 17 hours a day during the academic year, featuring a contemporary music format, Otterbein College sporting events and Westerville area news and public affairs.

**Television**—WOCC-TV 3 provides programming for Westerville and Otterbein College via cable channel 3. Programming includes public affairs, entertainment, education and sports. By participation, 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, American Forensic 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.

## **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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### *Requirements in the major (57 hrs or equivalent):*

- ☐ COMM 100 - 5 hrs
- ☐ COMM 200 - 5 hrs
- ☐ COMM 305 - 5 hrs
- ☐ COMM 499 - 5 hrs
- ☐ JOUR 160 - 5 hrs
- ☐ MCOM 110 - 5 hrs
- ☐ MCOM 115 - 5 hrs
- ☐ MCOM 140.10 - 1 hr
- ☐ MCOM 140.20 - 1 hr
- ☐ MCOM 230 - 5 hrs
- ☐ MCOM 450 - 5 hrs
- ☐ electives from among ART 150, BADM 300/310, COMM 335/380, JOUR 260 and MCOM 130/320/340/365/391/410/491 - 10 hrs (but at least five must be from MCOM)

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

### *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)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### *Requirements in the major (70 hrs or equivalent):*

- ☐ COMM 100 - 5 hrs
- ☐ COMM 200 - 5 hrs
- ☐ COMM 305 - 5 hrs
- ☐ COMM 499 - 5 hrs
- ☐ JOUR 160 - 5 hrs
- ☐ JOUR 165 - 5 hrs
- ☐ JOUR 260 - 5 hrs
- ☐ JOUR 265 - 5 hrs
- ☐ JOUR 360 - 5 hrs
- ☐ JOUR 365 - 5 hrs
- ☐ JOUR 490 - at least 3 hrs
- ☐ MCOM 230 - 5 hrs
- ☐ MCOM 410 - 5 hrs
- ☐ JOUR 240 & 340 - minimum of 1 hr each course and at least 6 hrs combined

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)



*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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 15)

*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 499 - 5 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

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (65 hrs or equivalent):*

- ☐ COMM 100 - 5 hrs
- ☐ COMM 200 - 5 hrs
- ☐ COMM 215 - 3 hrs
- ☐ COMM 305 - 5 hrs
- ☐ COMM 310 - 5 hrs
- ☐ COMM 335 - 5 hrs
- ☐ COMM 370 and/or JOUR 240 - 2 hrs
- ☐ COMM 400 - 5 hrs
- ☐ COMM 499 - 5 hrs
- ☐ BADM 310 - 5 hrs
- ☐ ECON 210 - 5 hrs
- ☐ JOUR 160 - 5 hrs
- ☐ JOUR 260 - 5 hrs
- ☐ JOUR 265 - 5 hrs

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### *Requirements in the major (at least 45 hrs):*

- ☐ COMM 100 - 5 hrs
- ☐ COMM 200 - 5 hrs
- ☐ COMM 305 - 5 hrs
- ☐ COMM 330 - 5 hrs
- ☐ COMM 360 - 5 hrs
- ☐ COMM 499 - 5 hrs
- ☐ remaining hours from among COMM120/180/335/380/391/491 and MCOM 230

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

### *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 115 - 5 hrs
- ☐ MCOM 140.10 - 1 hr
- ☐ MCOM 140.20 - 1 hr
- ☐ remaining hours from among MCOM 130/140/230/320/340/365/410/450.
- Consult with a broadcast adviser in constructing the minor.

## Minor in Journalism

### *Required (all of these courses):*

- ☐ JOUR 160 - 5 hrs
- ☐ JOUR 165 - 5 hrs
- ☐ JOUR 240 and/or 340 - at least 2 hrs
- ☐ JOUR 260 - 5 hrs
- ☐ JOUR 360 - 5 hrs
- ☐ MCOM 230 - 5 hrs
- ☐ MCOM 410 - 5 hrs

## Minor in Public Relations

### *Required (all of these courses):*

- ☐ COMM 100 or 280 - 5 hrs
- ☐ COMM 215 - 3 hrs
- ☐ COMM 310 - 5 hrs
- ☐ COMM 400 - 5 hrs
- ☐ JOUR 160 - 5 hrs
- ☐ JOUR 260 - 5 hrs

## 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



### **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/radio-television broadcasting.

**Journalism:** This program of study qualifies students to seek careers in the field of journalism, or to pursue graduate study in Journalism/Mass Communication.

**Organizational Communication:** This program of study prepares students for graduate study in Organizational and other communication-related disciplines. This program may also qualify students to seek a variety of communication careers in a wide variety of for-profit and not-for-profit businesses.

**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. *Required of all students in the teacher education program. A special section for communication majors is offered in the spring.*

#### **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 COMMUNICATION ACTIVITIES SEMINAR**

**1 hr**

Individual and group instruction and participation in supervised creative activities. May be repeated for credit; not to exceed six credit hours.

##### **COMM 140.30 DEBATE**

##### **COMM 140.40 INDIVIDUAL EVENTS**

#### **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****3 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 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 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 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**

**1-4 hrs**

Individual research projects for qualified students. May be repeated for credit not to exceed eight hours. *Prereq: Sophomore standing and 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 COMMUNICATION 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. May be repeated to a total of 15 hours. *Prereq: Permission of a faculty advisor in the department.*

**COMM 499 COMMUNICATION AND SOCIETY (SENIOR CAPSTONE)**

**5 hrs**

A seminar course focusing on the interaction between communication and human societies. *Prereq: COMM 305 and senior standing.*

**Mass Communication Courses (MCOM)**

**MCOM 110 RADIO 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 140.10*



**MCOM 115 FUNDAMENTALS OF TELEVISION PRODUCTION** 5 hrs  
Introductory course in television production theory and techniques. Emphasis on the study of the elements and processes involved in various types of television productions. Performance in roles of the television production team.

**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 115 recommended.*

**MCOM 140 MASS COMMUNICATION ACTIVITIES SEMINAR** 1 hr  
Individual and group instruction and participation in supervised creative activities. May be repeated for credit; not to exceed six credit hours.

**MCOM 140.10 RADIO (WOBN FM)**

**MCOM 140.20 TELEVISION (WOCC-TV 3)**

**MCOM 230 MASS MEDIA** 5 hrs  
A descriptive course dealing with the present nature, influence and impact of various mass media, including newspapers, magazines, radio and television. Special emphasis is placed on the uses, functions and effects of the media, media audiences and research, effects of media messages and future directions of media technology.

**MCOM 240 BROADCAST MANAGEMENT PRACTICUM** 1 hr  
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. *Prereq: Permission of the department.*

**MCOM 240.10 RADIO (WOBN FM) STAFF HEADS**

**MCOM 240.20 TELEVISION (WOCC-TV 3) STAFF HEADS**

**MCOM 320 ADVANCED TELEVISION PRODUCTION** 5 hrs  
Advanced study of theory and practice in television production. Emphases include: aesthetics, single-camera production theory and techniques, post-production (e.g., editing, computer graphics and sound effects), and advanced studio production techniques. *Prereq: MCOM 115.*

**MCOM 340 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 365 BROADCAST/CABLE PROGRAMMING** 5 hrs  
Study and practice of major principles for radio and television programming, and cable programming strategies. Advanced focus influencing standard and non-mainstream programming operations and media market analysis at the local, national, and international levels. *Prereq: MCOM 230, and MCOM 110 or 115.*



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

Individual research projects for qualified students. May be repeated for credit not to exceed eight hours. *Prereq: Sophomore standing and 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 First Amendment; conflicts between free-press and free-trial, obscenity, copyright, etc.; the nature of the regulatory process and social effects of the media. *Prereq: MCOM 230.*

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

An analytical examination of contemporary issues and problems confronting broadcasters. An emphasis on case studies illustrating the interrelationships in a media operation, and the forces influencing broadcast/cable decision-making. *Required of all broadcast majors. Prereq: MCOM 110, 115, 230 and either 140.10 or 140.20.*

**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. May be repeated for a total of 15 hours. *Prereq: Permission of a faculty advisor in the department.*

**Journalism Courses (JOUR)****JOUR 140 NEWSPAPER PRACTICUM (TAN & CARDINAL)****0 credits**

Supervised reporting and writing for the weekly student newspaper. Students attend weekly staff meetings and write stories based on covering campus beats.

**JOUR 160 MEDIA WRITING****5 hrs**

Techniques of journalistic and mass communication writing designed to develop the basic writing skills for the print and broadcast media, including the applications of these skills to public relations writing. *Prereq: typing skills.*

**JOUR 165 ON-LINE SOURCES AND DESIGN****5 hrs**

Techniques for the efficient use and evaluation of essential electronic sources; includes searching and retrieval techniques for online databases and web sites, plus principles and practice at creating web sites.

**JOUR 240 NEWSPAPER PRACTICUM****1 hr**

Supervised reporting and writing for the weekly student newspaper. Students attend weekly staff meetings and write stories based on covering campus beats. *Students may take a maximum of five hours and these hours should be taken in consecutive terms. Prereq: JOUR 160 and 260.*

**JOUR 260 NEWS WRITING AND REPORTING****5 hrs**

The principles of newswriting for the print media. *Prereq: JOUR 160.*



### **JOUR 265 DESKTOP PUBLISHING**

**5 hrs**

An introduction to typography and layout in printed journalistic communications, including use of the computer desktop publishing program Pagemaker®. Desktop techniques will be used to produce practical publications, including brochures and newsletters. *Recommended: JOUR 165 and 260, or permission of instructor.*

### **JOUR 340 PUBLICATION EDITING PRACTICUM**

**1 hr**

Supervised editorial work for the weekly student newspaper as copy editors, headline writers, layout editors and planners of weekly news coverage. *Students may take up to a maximum of five hours and these hours should be taken in consecutive terms. Prereq: JOUR 260 and 365, or permission of instructor.*

### **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 160 and 260.*

### **JOUR 365 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 magazine pages. Includes an introduction to the desktop publishing program QuarkXPress. *Prereq: JOUR 165 and 265.*

### **JOUR 390 INDEPENDENT STUDY**

**1-4 hrs**

Individual research projects for qualified students. May be repeated for credit not to exceed eight hours. *Prereq: Sophomore standing and permission of the instructor.*

### **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. May be repeated to a total of 15 hours. *Prereq: Permission of a faculty advisor in the department.*





# EDUCATION

*Fayne (chairperson), Albaugh, Deringer, Knight, McDaniel, Moore, Pettegrew, Robinson, Ryan, E. Smith, M. Smith, Swaim, Weiss.*

## **Mission and Programs**

The Education Department serves as the professional education unit of Otterbein College. The unit is committed to providing coherent teacher education programs which foster critical reflection within a context of collaborative learning and to building a community of lifelong learners who can respect diverse perspectives, make sound decisions based on complex data, and be responsive to the changing needs of children in our society.

Admission to the teacher education program is required and is generally sought during the sophomore year when a student is enrolled in Education 200 or 220. Admission criteria are outlined in the *Teacher Education Programs* booklet.

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

*Requirements in the Core Curriculum:*

- ☐ Integrative Studies - 50 hrs (specifics on p. 13)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - Educ 470.11 or .21, a course required in the major, satisfies this requirement

*Requirements in the major (123 or more hrs or equivalent):*

- |  |  |
|--|--|
| <input type="checkbox"/> ART 290 - 5 hrs         | <input type="checkbox"/> EDUC 450 - 3 hrs          |
| <input type="checkbox"/> COMM 100 - 5 hrs        | <input type="checkbox"/> EDUC 465 - 4 hrs          |
| <input type="checkbox"/> EDUC 160 - 4 hrs        | <input type="checkbox"/> EDUC 470 - 15 hrs         |
| <input type="checkbox"/> EDUC 170 - 5 hrs        | <input type="checkbox"/> EDUC 470.11 or .21 - 1 hr |
| <input type="checkbox"/> EDUC 210 - 2 hrs        | <input type="checkbox"/> HLED 250 - 3 hrs          |
| <input type="checkbox"/> EDUC 220 - 5 hrs        | <input type="checkbox"/> MATH 150 - 5 hrs          |
| <input type="checkbox"/> EDUC 320 - 9 hrs        | <input type="checkbox"/> MATH 270 - 5 hrs          |
| <input type="checkbox"/> EDUC 325 - 5 hrs        | <input type="checkbox"/> MUSC 270 - 4 hrs          |
| <input type="checkbox"/> EDUC 350 - 3 hrs        | <input type="checkbox"/> PHED 210 - 3 hrs          |
| <input type="checkbox"/> EDUC 360 or 365 - 2 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)
  - ☐ concentration area in Intervention (leading to Early Childhood Intervention Specialist license), Language Arts, Mathematics, Reading (leading to license endorsement in reading), Science or Social Studies - at least 30 hrs
  - Specific courses for the concentration areas are listed in the *Teacher Education Programs* booklet.
  - In order to complete the Ohio Department of Education requirement in Reading, students may elect a five hour Reading course beyond the EDUC 170/325/350 core. Students have the option of taking these additional five hours within two years after graduation.



Required total hours for the degree:

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

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)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - Educ 471.11 or .21, a course required in the major, satisfies this requirement

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

- |   |  |
|---|--|
| <input type="checkbox"/> COMM 100 - 5 hrs | <input type="checkbox"/> EDUC 340 - 3 hrs          |
| <input type="checkbox"/> EDUC 160 - 4 hrs | <input type="checkbox"/> EDUC 341 - 3 hrs          |
| <input type="checkbox"/> EDUC 170 - 5 hrs | <input type="checkbox"/> EDUC 342 - 3 hrs          |
| <input type="checkbox"/> EDUC 200 - 5 hrs | <input type="checkbox"/> EDUC 360 or 365 - 2 hrs   |
| <input type="checkbox"/> EDUC 210 - 2 hrs | <input type="checkbox"/> EDUC 363 - 3 hrs          |
| <input type="checkbox"/> EDUC 310 - 9 hrs | <input type="checkbox"/> EDUC 450 - 3 hrs          |
| <input type="checkbox"/> EDUC 315 - 5 hrs | <input type="checkbox"/> EDUC 471 - 15 hrs         |
| <input type="checkbox"/> EDUC 335 - 5 hrs | <input type="checkbox"/> EDUC 471.11 or .21 - 1 hr |
| <input type="checkbox"/> MATH 150 - 5 hrs |  |

- ☐ INST 130 (or PSYC 100 may be substituted) - these hours are already included in the 50 INST hrs shown above in the Core Curriculum

- ☐ 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.

- In order to complete the Ohio Department of Education requirement in Reading, students may elect a five hour Reading course beyond the EDUC 170/335/363 core. Students have the option of taking these additional five hours within two years after graduation.

Required total hours for the degree:

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

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 student pursuing **adolescent to young adult licensure** is required to take Education 160, 200, 210, 360 or 365, 370, 380, 410, and 450. Subject-specific methods courses and/or seminars as well as a content-specific field experience are required. Students pursuing this license also take the following: Communication 100; Integrative Studies 130 (or Psychology 100); one course in college level mathematics; one course in science; one course in social science; and two courses in English. See the *Teacher Education Programs* booklet for courses of study in the following licensure areas: Integrated Language Arts, Integrated Mathematics, Integrated Social Studies, Life Sciences, and Physical Sciences. Students pursuing adolescent to young adult



licensure may choose to satisfy their Senior Year Experience by enrolling in Education 410.11 or 410.21 during their student teaching term.

A student may pursue **multi-age licensure** to teach in grades Pre-Kindergarten through 12 in the following areas: Art, French, Health, Music, Physical Education, and Spanish. Students interested in multi-age licensure should consult the *Teacher Education Programs* booklet. Students in multi-age programs may satisfy their Senior Year Experience requirement by enrolling in Education 410.11 or 410.21 during their student teaching term.

In addition to standard licensure, two endorsement programs are available. **Endorsements** are additional licenses which must be attached to another license. The grade range of an endorsement matches the original license. A Reading Endorsement (at the undergraduate and graduate levels) as well as a Technology Endorsement (at the graduate level) are available. Students interested in an endorsement should consult the *Teacher Education Programs* booklet or the *Graduate Programs in Education* catalog.

### **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 course provides a broad view of American education, as well as an opportunity for personal inquiry. Students examine the various philosophies of education as well as investigate the history, social dynamics, and culture of schools in our country. Two group presentations form part of the class responsibility allowing for opportunities to transfer content and ideas to the teaching act. Within this context students are provided an opportunity to examine the attitudes, values, knowledge and skills needed for successful teaching, and asked to evaluate whether or not they have the talent and desire to become a professional teacher. This decision making process is supported by 70 hours of field work in a public school as well as five clinical hours. Course is not open to first quarter freshmen. *Teacher candidates must achieve a grade of C or better.*

#### **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 310 INSTRUCTIONAL PRACTICE:  
MIDDLE CHILDHOOD EDUCATION**

**9 hrs**

A study of content specific methodology for middle childhood, the course focuses on planning, instruction assessment, teacher resources, technology and classroom climate. EDUC 310 is a block of three courses in which students study content specific methodology and utilize concepts of interdisciplinary methodology to develop skills important to the team-teaching design central to middle childhood instruction. The individual courses in this block are:

**EDUC 310.10 Middle Grades Interdisciplinary Methods**

**3 hrs**

A study of the means by which relationships among disciplines are developed within the middle grades curriculum.

**EDUC 310.20 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 310.30 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 310.40 Middle Grades 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 310.50 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.

Students enroll in the methods courses specific to their two content areas and the interdisciplinary methods course. In each of these courses students become acquainted with the appropriate Ohio curriculum model, subject matter reflected on proficiency tests, subject-specific pedagogy, methods of assessment and national standards or guidelines which shape the teaching of the discipline. Students study issues of long and short-term planning, the use of expository, inquiry and small group instructional strategies, the use of technology as an instructional resource, and questions of management and discipline as they contribute to a sense of positive classroom climate. A minimum of 100 clock hours of field experience in middle childhood settings is required. Students must have half days available for field assignment. Content-specific field experience sites are arranged in urban middle grade classrooms to strengthen concepts presented in course work. *Prereq: EDUC 200 and Teacher Education admission. Teacher candidates must achieve a grade of C or better.*

**EDUC 315 INTEGRATING THE ARTS ACROSS THE MIDDLE  
CHILDHOOD CURRICULUM**
**5 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 early childhood settings is required. Students must have half days available for field assignment. 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 genre and for a variety of purposes. The course includes 15 clinical hours. *Prereq: EDUC 220, and EDUC 170 or ENGL 295. 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 340 RESPONSIVE SCHOOLS FOR EARLY ADOLESCENTS**

**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 critically 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 INSTRUCTION FOR THE MIDDLE GRADES****3 hrs**

Students will examine theory, research and current practice related to various approaches to grouping of students, instruction, and assessment. Issues to be addressed include multiple intelligence theory, learning styles, needs of diverse student populations, instructional methods such as active learning and cooperative learning, the impact of tracking vs. heterogeneous grouping, and selected topics related to authentic assessment. Mentor teachers provide field sites for pre-service teachers and co-develop an instructional project for implementation in the classroom which addresses one of the topics of the class. Twenty-five clinical/field hours are required. *Prereq: EDUC 200, 340, and 341. 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 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. Topics will include: culture definitions, the concept of multicultural education, definitions of multicultural literature, literature for specific ethnic groups, and using literature as a tool to increase cultural awareness. 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 curriculum models), 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****1-2 hrs**

A study of secondary school science teaching methods, student assessment and curriculum planning. Includes development of a knowledge of the state curriculum model 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.

**Mathematics:****EDUC 372 MATHEMATICS FIELD EXPERIENCE****4 hrs****EDUC 372.1 MATHEMATICS SEMINAR****1-2 hrs**

A study of secondary school mathematics teaching methods, student assessment and curriculum planning. Includes development of a knowledge of the state curriculum model 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.

**Social Studies:****EDUC 374 SOCIAL STUDIES FIELD EXPERIENCE****4 hrs****EDUC 374.1 SOCIAL STUDIES SEMINAR****1-2 hrs**

A study of secondary school social studies teaching methods, student assessment and curriculum planning. Includes development of a knowledge of the state curriculum model 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.



**Language Arts:****EDUC 375 INTEGRATED LANGUAGE ARTS FIELD EXPERIENCE****4 hrs****EDUC 375.1 INTEGRATED LANGUAGE ARTS SEMINAR****1-2 hrs**

A study of secondary school language arts teaching methods, student assessment and curriculum planning. Includes development of a knowledge of the state curriculum model 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.

**Visual Arts:****EDUC 376 VISUAL ARTS FIELD EXPERIENCE****4 hrs****EDUC 376.1 VISUAL ARTS SEMINAR****1-2 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.

**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.

**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.

**EDUC 380 LITERACY IN CONTENT AREAS****2 hrs**

Methods of teaching literacy in the subject field for secondary and multi-age school teachers. Includes work in developmental and remedial reading techniques and diagnosis of reading problems. 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 CLINICAL OR FIELD EXPERIENCE****1-4 hrs**

A clinical or field experience involving work with children planned to meet state licensure requirements. All work for credit must be approved by a member of the faculty in advance, supervised, and evaluated. One quarter hour of credit is equal to 25 clock hours of clinical/field experience. *Teacher candidates must achieve a grade of C or better.*



**EDUC 410.10 STUDENT TEACHING, SECONDARY OR MULTI-AGE LEVEL**

**15 hrs**

**EDUC 410.20 STUDENT TEACHING AT McCURDY, SEC. 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. Coreq: EDUC 410.11 or 410.21. Teacher candidates must achieve a grade of C or better.*

**EDUC 410.11 SENIOR YEAR EXPERIENCE SEMINAR**

**1 hr**

**EDUC 410.21 SENIOR YEAR EXPERIENCE AT McCURDY**

**1 hr**

*Coreq: EDUC 410.10 or 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 gifted children and children with language, orthopedic, physical, mental and emotional handicaps. Techniques of including exceptional children in regular classrooms will be explored. Includes 25 clock hours of clinical or field experience. *Prereq: EDUC 200 or 220. Note: Not required of students with credit in PHED 360 Adapted Physical Education. Teacher candidates must achieve a grade of C or better.*

**EDUC 455 EARLY CHILDHOOD SPECIAL EDUCATION**

**5 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. *Prereq: EDUC 450. 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 half-days or one full day per week 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 LEVEL**

15 hrs

## **EDUC 470.20 STUDENT TEACHING AT McCURDY, EARLY CHILD**

15 hrs

Teaching experience in an early childhood setting 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 310 and 330. Coreq: EDUC 470.11 or 470.21. Teacher candidates must achieve a grade of C or better.*

### **EDUC 470.11 SENIOR YEAR EXPERIENCE SEMINAR**

1 hr

### **EDUC 470.21 SENIOR YEAR EXPERIENCE SEM. AT McCURDY**

1 hr

*Coreq: EDUC 470.10 or 470.20.*

## **EDUC 471.10 STUDENT TEACHING, MIDDLE CHILDHOOD LEVEL**

15 hrs

## **EDUC 471.20 STUDENT TEACHING AT McCURDY, MIDDLE CHILD**

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 310 and 330. Coreq: EDUC 471.11 or 471.21. Teacher candidates must achieve a grade of C or better.*

### **EDUC 471.11 SENIOR YEAR EXPERIENCE SEMINAR**

1 hr

### **EDUC 471.21 SENIOR YEAR EXPERIENCE SEM. AT McCURDY**

1 hr

*Corequisite: EDUC 471.10 or 471.20.*



**EDUC 480 READING PRACTICUM**

**4 hrs**

A clinical/field and tutoring experience related to remedial and developmental reading instruction. Minimum of 100 clock hours experience and weekly seminars. *Prereq: EDUC 325 or 335 and Pre or Coreq: EDUC 440. Teacher candidates must achieve a grade of C or better.*

**EDUC 490 TEACHING INTERNSHIP**

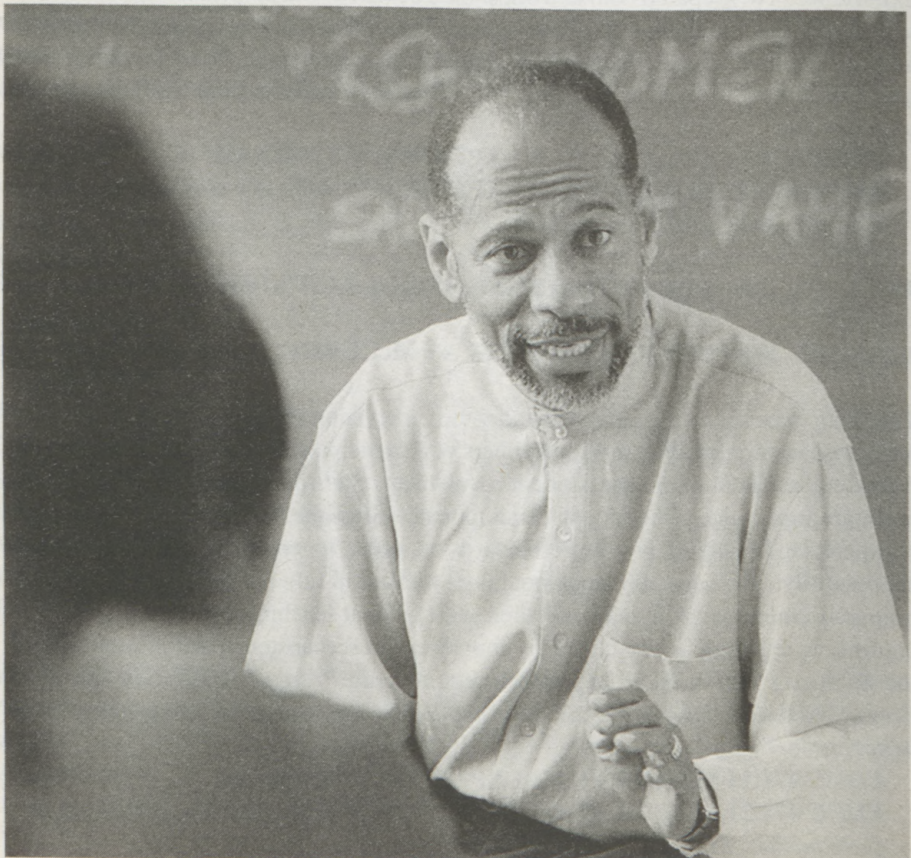
**5-15 hrs**

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 College and by the cooperating school system. *Teacher candidates must achieve a grade of C or better.*

**EDUC 555 CLASSROOM MANAGEMENT**

**3 hrs**

This course focuses on establishing and maintaining a positive and productive learning environment. 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. This is a graduate level class available to undergraduates.*





# ENGLISH

*Prindle (chairperson), Bailey, Bowman, Chaney, Daugherty, Eisenstein, Dillman, Frick, Gorman, Kengla, Johnson, Narain, Rittenhouse, Smith, Woodson.*

## Mission and Programs

The English Department includes twelve faculty members who teach regularly and a number of adjuncts. The department's mission is to provide students with a broad knowledge base, to help them build key skills for graduate school and professional work, and to give students a strong sense of multiculturalism and social awareness.

## 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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### Requirements in the major (at least 45 hrs):

Majors may select either of these concentrations:

#### 1. English major with Literature concentration

- ☐ ENGL 155 - 5 hrs
- ☐ ENGL 190 - 5 hrs
- ☐ ENGL 310 - 5 hrs
- ☐ ENGL 350 - 5 hrs
- ☐ one course from among ENGL 230, 231, 232 and 233 - 5 hrs
- ☐ one course from ENGL 250 or 320 and one course from ENGL 255 or 330; one of these courses must be ENGL 250 or 255 - 10 hrs
- ☐ any remaining hours to reach 45 may be selected from among other ENGL courses
- Optional electives for the Literature concentration include ENGL 160/295/335 and JOUR 160/265.

#### 2. English major with Writing concentration

- ☐ ENGL 155 - 5 hrs
- ☐ ENGL 160 - 5 hrs
- ☐ two courses from among ENGL 260, 261, 262 and 263 - 10 hrs
- ☐ two courses from among ENGL 230, 231, 232, 233, 250, 255 and 295 - 10 hrs
- ☐ one course from among ENGL 360, 361, 362 and 363 - 5 hrs
- ☐ one course from among ENGL 310, 320, 330, 350 and 380 - 5 hrs
- ☐ any remaining hours to reach 45 may be selected from among other ENGL courses
- Optional electives for the Writing concentration include ENGL 294/335 and JOUR 160/240/260



*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 English**

*Required (at least 25 hrs):*

- ☐ At least 10 hrs of ENGL at 300/400 level
- ☐ Remaining hours from any other ENGL courses except 294, 390 and 400 (these courses as well as JOUR 240 may be counted only with permission of department chairperson).

Students planning to pursue **graduate study in English** should complete ENGL 250, 255, 310, 320, and 330.

Requirements for students seeking **secondary teacher licensure in Language Arts** appear in the *Teacher Education Programs* handbook available upon request from the Education Department. Requirements for the 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.

## **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.

Students may pursue a major in English in either of two concentrations: literature and writing. The literature concentration may lead to careers that require skills in reading, synthesis, and evaluative thinking. The 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 literature and writing major. Emphasis on understanding the way language is used in literary works, with particular attention to metaphor, image, and form. Students will examine the transformation of life experience into literature, will learn to build contexts for literary works, and will write short creative pieces as well as literary commentaries.



**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.*

**ENGL 190 LITERATURE: READING, INTERPRETATION, CRITICISM 5 hrs**

Foundation for the literature major 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 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. *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 19th and 20th century writers. 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 LITERATURE FROM DIVERSE CULTURES 5 hrs (alt. yrs.)**

Explorations of the significance and contributions of diverse literary traditions, such as American ethnic literatures (Native American, Jewish, Asian, and Hispanic), gay and lesbian literature, contemporary non-Western literatures (Latin American, African, or Caribbean). *The specific course topic will vary from year to year.* Contact department chairperson for more information. *Designed for non-majors as well as majors.*

**ENGL 233 MYTH, FOLKLORE, AND LITERATURE 5 hrs (alt. yrs.)**

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 234 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 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 students' work by instructor and peers. *Prereq: ENGL 160 or permission of department chairperson.*

**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 quarterly magazine. *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 310 ENGLISH LITERATURE THROUGH 1660****5 hrs**

Readings in English literature beginning with Anglo-Saxon writers and concluding with Milton. Emphasizes literary and cultural history and developing literary styles. *Prereq: ENGL 155.*

**ENGL 320 ENGLISH LITERATURE FROM 1660 THROUGH 1900****5 hrs**

Readings in British 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 330 MODERN ENGLISH LITERATURE****5 hrs**

Readings in English literature of the 20th century 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 335 TECHNICAL AND REPORT WRITING****5 hrs**

The study and application of technical writing with an emphasis on the writing of reports.

**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 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; will be offered in the same term as English 261; 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; will be offered in the same term as English 262; limited enrollment. *Prereq: ENGL 262.*

**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; will be offered in the same term as English 263; 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 155; one of the following courses is also recommended: ENGL 260, 261, 262, or 263. An interview with the instructor prior to enrollment is required.*

### **ENGL 380 THE NOVEL AND NARRATIVE THEORY**

**5 hrs**

Readings in a selection of 18th, 19th, and 20th century novels and in literary theory and criticism. Emphasizes development of the genre and of theories about narrative. *Prereq: ENGL 155 and at least one from 250, 255, 310, 320, 330, or permission of the instructor.*

### **ENGL 390 INDEPENDENT STUDY**

**1 to 5 hrs**

Independent study in literature or in writing. Open to seniors. *Permission of instructor and of department chairperson required.*

### **ENGL 400 SENIOR SEMINAR**

**5 hrs**

The topic, which changes annually, focuses on an era or a genre or an author; American and English literature will alternate in the selection of seminar topics. Seminar work includes reading literature and criticism, preparing oral reports, and writing a literary research paper. *Prereq: ENGL 310; 250 or 320; and 255 or 330; or permission of the instructor.*

### **ENGL 401 SENIOR PORTFOLIO PROJECT**

**1 hr**

The Senior Portfolio Project requires both literature and 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.

### **ENGL 460 SENIOR WRITING PROJECT**

**5 hrs**

Five hours total (two courses spread over two quarters, 2 hours and 3 hours)—an individualized tutorial focused upon the student's creation of a substantial body of writing in the chosen writing specialty. Emphasis in the first quarter will be on the creation of a prospectus and on drafting; in the second quarter, on the completion of the writing and on revising and critiquing with the faculty committee. The final project will include a written commentary by the student on his or her work. A grade will be given each quarter. *Senior standing. Registration with permission of department chairperson.*



# 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)**

- |   |      |
|---|------|
| <input type="checkbox"/> ENST 101 - Introduction to Environmental Studies | 5hrs |
| <input type="checkbox"/> ENST 401 - Advanced Environmental Studies        | 5hrs |

### **Humanities (choose one)**

- |  |      |
|--|------|
| <input type="checkbox"/> PHIL 440 - Ethical Issues in Medicine, Biology and Environmental Science      | 5hrs |
| <input type="checkbox"/> An additional course, Nature and Literature, is anticipated during 1999-2001. |      |
- See the Environmental Studies coordinator for details.

### **Natural Sciences (choose one)**

- |   |       |
|---|-------|
| <input type="checkbox"/> E SC 205 - Environmental Geology | 5 hrs |
| <input type="checkbox"/> L SC 204 - Environmental Biology | 5 hrs |

### **Social Sciences (choose one)**

- |  |       |
|--|-------|
| <input type="checkbox"/> ECON 420 - Current Economic Issues  | 5 hrs |
| <input type="checkbox"/> SOCL 210 - Social Problems  | 5 hrs |
| <input type="checkbox"/> SOCL 380 - Urban Sociology  | 5 hrs |
| <input type="checkbox"/> Additional courses Environmental Psychology, Environmental Politics and Environmental Politics of Hawaii are anticipated during 1999-2001. See the Environmental Studies coordinator for details. |       |

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. 26).

## ***Environmental Studies (ENST)***

**ENST 101 INTRODUCTION TO ENVIRONMENTAL STUDIES** **5 hrs**  
*Lecture and laboratory*

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**

**1-5 hrs**

The capstone experience for students completing the environmental studies minor. The course consists of an individualized interdisciplinary research and service project completed with the mentorship of three faculty, each from a different academic division: natural sciences, professional studies, humanities, arts, and social sciences. ENST 401 also involves a seminar which meets monthly throughout the year. *Prereq:* *Permission of Instructor.*

**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

Taylor, L. (chairperson), Calderone, Cryan, McNutt, Taylor, M.

## **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

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 some business background.

**Equine Science Preveterinary Medicine** and **Equine Science Pregraduate Studies** majors are designed to prepare students for entry into science-related 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. As students are expected to graduate from Otterbein College and Columbus State Community College simultaneously, all general education requirements for the Associate of Applied Science degree in Veterinary Technology will be fulfilled through the Equine Health Technology degree from Otterbein College. 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 scheduled **Practicum** classes for three quarters to increase proficiency in a variety of subjects, including bandaging, forage evaluation, tractor maintenance, wound care, injection techniques, and body condition scoring.

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 100 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.

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, 250, 297, 298, 299, 300, 311, 312, 320, 330, and 350. If a student registers for EQSC 280 or 290 while concurrently taking one of the classes listed immediately above, no lab fee will be assessed for EQSC 280 or 290.

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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### *Requirements in the major (75-87 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> ACCT 200 - 5 hrs | <input type="checkbox"/> EQSC 120 - 3 hrs       |
| <input type="checkbox"/> ACCT 210 - 5 hrs | <input type="checkbox"/> EQSC 121 - 1 hr        |
| <input type="checkbox"/> BADM 300 - 5 hrs | <input type="checkbox"/> EQSC 130 - 3 hrs       |
| <input type="checkbox"/> BADM 310 - 5 hrs | <input type="checkbox"/> EQSC 131 - 1hr         |
| <input type="checkbox"/> BADM 320 - 5 hrs | <input type="checkbox"/> EQSC 141 - 3 hrs       |
| <input type="checkbox"/> COMM 280 - 5 hrs | <input type="checkbox"/> EQSC 320 - 5 hrs       |
| <input type="checkbox"/> C SC 100 - 3 hrs | <input type="checkbox"/> EQSC 330 - 3 hrs       |
| <input type="checkbox"/> ECON 210 - 5 hrs | <input type="checkbox"/> EQSC 341 - 1 hr        |
| <input type="checkbox"/> ENGL 335 - 5 hrs | <input type="checkbox"/> EQSC 350 - 5 hrs       |
| <input type="checkbox"/> EQSC 110 - 3 hrs | <input type="checkbox"/> EQSC 490 - 3 to 15 hrs |
| <input type="checkbox"/> EQSC 111 - 1 hr  |   |



*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (76 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 110 - 5 hrs | <input type="checkbox"/> EQSC 297 - 5 hrs |
| <input type="checkbox"/> COMM 180 - 5 hrs | <input type="checkbox"/> EQSC 298 - 5 hrs |
| <input type="checkbox"/> EQSC 110 - 3 hrs | <input type="checkbox"/> EQSC 299 - 5 hrs |
| <input type="checkbox"/> EQSC 111 - 1 hr  | <input type="checkbox"/> EQSC 300 - 5 hrs |
| <input type="checkbox"/> EQSC 120 - 3 hrs | <input type="checkbox"/> EQSC 320 - 5 hrs |
| <input type="checkbox"/> EQSC 121 - 1 hr  | <input type="checkbox"/> EQSC 330 - 3 hrs |
| <input type="checkbox"/> EQSC 130 - 3 hrs | <input type="checkbox"/> EQSC 341 - 1 hr  |
| <input type="checkbox"/> EQSC 131 - 1 hr  | <input type="checkbox"/> EQSC 350 - 5 hrs |
| <input type="checkbox"/> EQSC 141 - 3 hrs | <input type="checkbox"/> HLED 280 - 3 hrs |
| <input type="checkbox"/> EQSC 280 - 2 hrs | <input type="checkbox"/> LSC 108 - 5 hrs  |
| <input type="checkbox"/> EQSC 290 - 2 hrs | <input type="checkbox"/> LSC 109 - 5 hrs  |

- At least one internship is strongly encouraged.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 or 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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (75 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 140 - 3 hrs | <input type="checkbox"/> EQSC 280 - 2 hrs |
| <input type="checkbox"/> CHEM 141 - 1 hr  | <input type="checkbox"/> EQSC 290 - 2 hrs |
| <input type="checkbox"/> CHEM 150 - 3 hrs | <input type="checkbox"/> EQSC 297 - 5 hrs |
| <input type="checkbox"/> CHEM 151 - 1 hr  | <input type="checkbox"/> EQSC 298 - 5 hrs |
| <input type="checkbox"/> CHEM 160 - 3 hrs | <input type="checkbox"/> EQSC 299 - 5 hrs |



- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 161 - 1 hr  | <input type="checkbox"/> EQSC 300 - 5 hrs |
| <input type="checkbox"/> EQSC 110 - 3 hrs | <input type="checkbox"/> EQSC 311 - 5 hrs |
| <input type="checkbox"/> EQSC 111 - 1 hr  | <input type="checkbox"/> EQSC 312 - 3 hrs |
| <input type="checkbox"/> EQSC 120 - 3 hrs | <input type="checkbox"/> EQSC 341 - 1 hr  |
| <input type="checkbox"/> EQSC 121 - 1 hr  | <input type="checkbox"/> L SC 101 - 5 hrs |
| <input type="checkbox"/> EQSC 130 - 3 hrs | <input type="checkbox"/> L SC 102 - 5 hrs |
| <input type="checkbox"/> EQSC 131 - 1 hr  | <input type="checkbox"/> L SC 103 - 5 hrs |
| <input type="checkbox"/> EQSC 141 - 3 hrs |   |

- Internship experiences are strongly recommended.
- Suggested support courses for the Pre veterinary Medicine student include CHEM 240/241/250/251/260/261/450/460, L SC 201 or 306, L SC 206, MATH 170/180 and PHYS 140/150
- Students will work closely with their advisers to fulfill specific prerequisites of each individual science-related graduate program including veterinary medicine.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (115 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 110 - 5 hrs | <input type="checkbox"/> EQSC 290 - 2 hrs |
| <input type="checkbox"/> EQSC 110 - 3 hrs | <input type="checkbox"/> EQSC 297 - 5 hrs |
| <input type="checkbox"/> EQSC 111 - 1 hr  | <input type="checkbox"/> EQSC 298 - 5 hrs |
| <input type="checkbox"/> EQSC 120 - 3 hrs | <input type="checkbox"/> EQSC 299 - 5 hrs |
| <input type="checkbox"/> EQSC 121 - 1 hr  | <input type="checkbox"/> EQSC 300 - 5 hrs |
| <input type="checkbox"/> EQSC 130 - 3 hrs | <input type="checkbox"/> EQSC 311 - 5 hrs |
| <input type="checkbox"/> EQSC 131 - 1 hr  | <input type="checkbox"/> EQSC 341 - 1 hr  |
| <input type="checkbox"/> EQSC 141 - 3 hrs | <input type="checkbox"/> L SC 108 - 5 hrs |
| <input type="checkbox"/> EQSC 280 - 2 hrs | <input type="checkbox"/> L SC 109 - 5 hrs |

The following courses must be transferred from Columbus State by submitting an official transcript:

- ☐ MATH 100 Calculations and Dosages - 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 Seminary I - 2 hrs
- ☐ VET 262 Veterinary Pharmacology - 3 hrs
- ☐ VET 263 Clinical Application 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

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 as equine insurance adjustors, bloodstock agents, editors and writers, administrators of racing and breeding organizations, racetrack and breeding farm administrators, or those involved in the marketing of horses or horse-related products.

**Equine Facility Management:** This course of study prepares students for careers as a manager or supervisor for a riding, training, or breeding facility.

**Equine Science Preveternary Medicine or Pregraduate Studies:** These courses of study prepare students for application to a veterinary school or an animal or equine science graduate school program.

**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**

Students may enroll in horseback riding including group, semi-private and private lessons. All lessons are given once per week during the quarter. All new students must ride for the instructor before or during the first week of classes for proper placement in lessons. 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 the various types of equipment used in riding, showing and training. The quality, care, function and purpose of the equipment is emphasized. The history of horsemanship and evolution of the horse are covered as well.

*Open to EQSC majors only.*



**EQSC 111 HORSEMASTERSHIP I CLINIC**

1 hr

Clinical experience includes safety, grooming, appropriate stable and showing attire, tack, accessories, and their maintenance, and effective horse handling in a variety of situations. Basic stable management and facility maintenance are also addressed. *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, breeds, colors, 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 use, conformation and associated unsoundness, gaits, and mechanics of movement. *Prereq: EQSC 111; Coreq: EQSC 120.*

**EQSC 130 HORSEMASTERSHIP III LECTURE**

3 hrs

Coursework includes normal and abnormal behaviors, including vices, and advanced restraint techniques, and methods of training and conditioning for various breeds and uses. An introduction to cardiovascular, respiratory and musculoskeletal responses to exercise and training, and exercise testing and performance evaluation of the equine athlete are covered as well. *Prereq: EQSC 111, 120 and 121, 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 training the young horse, including the advance and retreat method of round-pen training, evaluation of conditioning programs, including the use of heart rate monitors, and performance testing on the treadmill. *Prereq: EQSC 111, 120 and 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. *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.*

**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.*

**EQSC 297 SYSTEMS COURSE I****5 hrs**

The four systems courses deal with the anatomy, physiology, associated diseases or disorders, prevention, and care of the horse as they relate to each body system. They are designed to allow the student to attain a global perspective and understanding of the horse as a functioning unit made up of inter-related and inter-dependent body systems. Systems Course I covers the following areas: the cardiovascular, hemilymphatic, and respiratory systems, and equine ophthalmologic examination and proper application of ophthalmologic medications. Students also learn to perform venipuncture and intramuscular injections. *Prereq: Equine Health Technology and Equine Facility Management majors: CHEM 110, L SC 108 and 109, or permission; Equine Preveterinary/Pregraduate Studies majors: L SC 101, 102, and 103, or permission.*

**EQSC 298 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. Students are exposed to the typical colic work-up at The Ohio State University Veterinary Teaching Hospital, and are invited to attend the four-day MidWest Veterinary Conference held annually each February. *Prereq: Equine Health Technology and Equine Facility Management majors: CHEM 110, L SC 108 and 109, EQSC 297, or permission; Preveterinary Medicine/Pregraduate Studies majors: L SC 101, 102, and 103, EQSC 297, or permission.*



### **EQSC 299 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, stallion handling, 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 125 broodmares. *Prereq: Equine Health Technology and Equine Facility Management majors: CHEM 110, L SC 108 and 109; EQSC 298, or permission; Preveterinary Medicine/Pregraduate Studies majors: L SC 101, 102, and 103; EQSC 298, or permission.*

### **EQSC 300 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. Students also practice a variety of medical bandaging techniques and learn to deal with emergency situations, such as a fracture or other severe leg injury. 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 299, or permission; Preveterinary Medicine/Pregraduate Studies majors: L SC 101, 102, and 103; EQSC 299, or permission.*

### **EQSC 311 EQUINE NUTRITION**

**5 hrs (even yrs, Autumn)**

*Lecture and laboratory.*

An in-depth study of equine nutrition, including absorption, metabolism and feed sources of the following nutrient categories: water, energy, protein, minerals and vitamins. Included are ration balancing, determining nutritive needs, the use of supplements, problems associated with feeds and feeding, and toxic plants. *Prereq: EQSC 298; CHEM 110, or L SC 101, or permission.*

### **EQSC 312 EQUINE GENETICS**

**3 hrs (odd yrs., Winter)**

*Lecture and laboratory.*

This course will emphasize recent developments in the identification of genetic factors affecting the equine with respect to diseases, lethals, color, parentage, and blood-typing. The use of recombinant DNA vaccines and gene therapy will also be studied, as well the Equine Genome Project. Laboratory sessions will provide opportunities for students to focus on advanced molecular genetic procedures specifically related to the equine. *Prereq: EQSC 299; CHEM 110, or L SC 102, or permission.*



### **EQSC 320 BUSINESS MANAGEMENT AND PROMOTION OF AN EQUINE FACILITY**

**5 hrs (odd yrs., Winter)**

*Lecture and laboratory.*

A study of advertising and business management practices including business planning, record keeping, accounting, taxes, and insurance liability as they affect an equine facility. The use of equine facility management software programs is included. *Prereq: EQSC 110, 120 and 130, or permission.*

### **EQSC 330 EQUINE FACILITY DESIGN AND AGRICULTURAL MANAGEMENT**

**3 hrs (even yrs., Spring)**

*Lecture and laboratory.*

A study of equine facility design and pasture management. Students are exposed to land selection and preparation, zoning principles, arena care, and waste disposal, as well as a wide variety of building styles and materials, fencing, footings, and introductory principles of construction methodology. *Prereq: EQSC 110, 120 and 130, or permission.*

### **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.*

### **EQSC 350 LEGAL ASPECTS OF THE EQUINE INDUSTRY**

**5 hrs (even yrs., Winter)**

Students are familiarized with legal terminology and concepts, and learn to recognize situations that require legal counsel. Principles and applications of tort law are addressed, as they deal with trespass, nuisance, negligence, and liability issues. Additional topics include contracts, waivers, leases, auctions, and sales as they pertain to agriculture. Other significant issues are animal welfare and standards of humane care. Environmental legal issues are also addressed, particularly those relating to pesticides, chemical applications, and waste removal. *Prereq: Sophomore level standing, or permission.*

### **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.*

### **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.*



# FOREIGN LANGUAGES

*Martin (chairperson), Carr, Demel, Galarce.*

## **Mission and Programs**

The Foreign Languages Department is composed of four full-time members (two in French and two in Spanish) and five part-time faculty (two in Spanish, one in German, one in Japanese, and one in English as a foreign language). The department offers majors in both French and Spanish. Minors are offered in French and Spanish and a minor in German is 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. Secondly, 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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ 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. 220.

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

### *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.



## 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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ 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. 220.

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

### *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.

Requirements for students seeking **Pre K-12 teacher licensure in Foreign Language** appear in the *Teacher Education Programs* handbook available upon request from the Education Department. Requirements for the 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.

Students are urged to consider combining a major or minor in a foreign language with a second field such as business, political science, 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**

Beginning French. Laboratory tapes, reading and writing text and videotapes complement traditional teaching methods in order to develop the skills of listening, speaking, reading, writing and cultural awareness.

#### ***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**

Review of basic grammar, development of conversation and composition skills.  
*Prereq:* FREN 140.

#### ***FREN 220 ASPECTS OF THE FRENCH LANGUAGE*** **3 hrs**

Introduction to finer points of syntax and style through the study of authentic texts.  
*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. *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**

Designed to develop conversational fluency as well as to provide practice in more formal oral and written composition. *Prereq: FREN 210.*

**FREN 320 ASPECTS OF THE FRENCH LANGUAGE****3 hrs**

Grammar review, advanced reading and composition. *Prereq: FREN 210.*

**FREN 330 CONTEMPORARY FRANCE****3 or 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****3 or 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 practical teaching techniques. Readings, practice teaching for peer critique and presentation in a public school classroom.

**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 give the student training in reading and oral work, knowledge of grammatical forms, and an awareness of cultural differences.

#### **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 give the student training in reading and oral work, knowledge of grammatical forms, and an awareness of cultural differences.

#### **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**

Beginning Spanish. Laboratory tapes, reading and writing text and video tapes to complement traditional teaching methods in order to develop the skills of listening, speaking, reading, writing and cultural awareness.

#### **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**

Development of conversation and composition skills with review of basic grammar. *Prereq: SPAN 140.*

**SPAN 220 ASPECTS OF THE SPANISH LANGUAGE**

**3 hrs**

Introduction to the finer points of syntax and style through the study of authentic texts. *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 to the present. *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 economy. *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**

Designed to develop conversational fluency as well as to provide practice in more formal oral and written composition. *Prereq: SPAN 210.*

**SPAN 320 ASPECTS OF THE SPANISH LANGUAGE**

**3 hrs**

Advanced reading and composition with grammar review. *Prereq: SPAN 210.*

**SPAN 330 LATIN AMERICAN CULTURE AND CIVILIZATION**

**3 or 5 hrs (alt. yrs.)**

Advanced study of Latin American culture and civilization. *Prereq: SPAN 210.*

**SPAN 340 THE SPANISH HERITAGE**

**3 or 5 hrs (alt. yrs.)**

Advanced study of Spanish civilization and culture. Topics range from earliest times 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 practical teaching techniques. Readings, practice teaching for peer critique and presentation in a public school classroom.



**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**

***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.

***English Language Program Courses (ESL)***

The English Language Program is an intensive English as a second language (ESL) program designed to improve the English language proficiency of persons whose first language is not English. It consists of three levels: Beginning, Intermediate, and Advanced. **All courses will be noncredit bearing.** In addition to taking classes, English Language Program students will participate in regular sessions with Conversation Partners (see description below).

Upon the written recommendation of the Coordinator, in consultation with the other instructors, English Language Program students on the Advanced level may take one non-ESL class in addition to their ESL classes as a bridge to a full academic schedule.

In order to provide the ESL students with opportunities to improve their communication skills, their ability to relate to U.S. peers, and their understanding of U.S. culture, the English Language Program will arrange for them to meet for three hours a week with Conversation Partners, Otterbein College students whose first language is English, on a one-on-one basis in a nonthreatening environment for loosely structured conversation and dialog.



**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

*Jackson (chairperson), D'Arcy, Fishbaugh, Goodwin, Hood, Kiger, McLaughlin, Peters, Quackenbush, Reynolds, Richardson, Rocks, Walter, Welsh, Wilson.*

## **Mission and Programs**

The Department of Health and Physical Education encompasses goals that are consistent with the philosophy of the college. The department complements comprehensive liberal arts education for students by developing professional skills necessary for opportunities in health education, physical education, athletic training, sport and wellness management.

Secondly, the department provides opportunities for self-enrichment and the development of intellectual and emotional competencies; the development of efficient and proficient movement leading to skills for leisure and continued life long participation through the required service program, the recreational-intramural activities, and the varsity athletic program.

The mission of the department continues to parallel current literature and research of its professional organizations, the American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD), the National Athletic Trainers Association (NATA), and the North American Society of Sport Management (NASSM).

By recognizing the mission of the college, the department strives to integrate liberal arts with professional education through the promotion of intellectual, moral, physical and cultural growth.

## **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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (58 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> HLED 180 - 2 hrs | <input type="checkbox"/> HLED 350 - 3 hrs |
| <input type="checkbox"/> HLED 210 - 3 hrs | <input type="checkbox"/> HLED 351 - 2 hrs |
| <input type="checkbox"/> HLED 220 - 5 hrs | <input type="checkbox"/> HLED 380 - 4 hrs |
| <input type="checkbox"/> HLED 270 - 5 hrs | <input type="checkbox"/> L SC 105 - 5 hrs |
| <input type="checkbox"/> HLED 280 - 3 hrs | <input type="checkbox"/> L SC 106 - 5 hrs |
| <input type="checkbox"/> HLED 310 - 3 hrs | <input type="checkbox"/> L SC 107 - 5 hrs |
| <input type="checkbox"/> HLED 320 - 3 hrs | <input type="checkbox"/> PHED 380 - 5 hrs |
|   | <input type="checkbox"/> SOCL 250 - 5 hrs |

- Requirements for students seeking **multi-age teacher licensure** appear in the *Teacher Education Programs* handbook available upon request from the Education Department. Requirements for the 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.



*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (87 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> PHED 120 - 4 hrs | <input type="checkbox"/> PHED 370 - 2 hrs |
| <input type="checkbox"/> PHED 130 - 3 hrs | <input type="checkbox"/> PHED 380 - 5 hrs |
| <input type="checkbox"/> PHED 140 - 3 hrs | <input type="checkbox"/> PHED 410 - 4 hrs |
| <input type="checkbox"/> PHED 150 - 5 hrs | <input type="checkbox"/> PHED 440 - 5 hrs |
| <input type="checkbox"/> PHED 210 - 3 hrs | <input type="checkbox"/> PHED 480 - 4 hrs |
| <input type="checkbox"/> PHED 220 - 2 hrs | <input type="checkbox"/> HLED 220 - 5 hrs |
| <input type="checkbox"/> PHED 310 - 4 hrs | <input type="checkbox"/> HLED 270 - 5 hrs |
| <input type="checkbox"/> PHED 320 - 4 hrs | <input type="checkbox"/> HLED 280 - 3 hrs |
| <input type="checkbox"/> PHED 330 - 3 hrs | <input type="checkbox"/> L SC 105 - 5 hrs |
| <input type="checkbox"/> PHED 340 - 5 hrs | <input type="checkbox"/> L SC 106 - 5 hrs |
| <input type="checkbox"/> PHED 360 - 3 hrs | <input type="checkbox"/> L SC 107 - 5 hrs |

- Requirements for students seeking **multi-age teacher licensure** appear in the *Teacher Education Programs* handbook available upon request from the Education Department. Requirements for the 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.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22).

*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 Sport and Wellness Management**

*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)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - 2 hrs (SYE 490 Internship Seminar)



*Requirements in the major (approximately 80-90 hrs or equivalent):*

- |  |  |
|--|--|
| <input type="checkbox"/> HLED 220 - 5 hrs      | <input type="checkbox"/> PHED 392 - 4 hrs        |
| <input type="checkbox"/> HLED 270 - 5 hrs      | <input type="checkbox"/> PHED 410 - 4 hrs        |
| <input type="checkbox"/> HLED 280 - 3 hrs      | <input type="checkbox"/> PHED 440 - 5 hrs        |
| <input type="checkbox"/> PHED 120 - 4 hrs      | <input type="checkbox"/> PHED 490 - 10 to 15 hrs |
| <input type="checkbox"/> PHED 240 - 3 hrs      | <input type="checkbox"/> L SC 105 - 5 hrs        |
| <input type="checkbox"/> PHED 340 - 5 hrs      | <input type="checkbox"/> L SC 106 - 5 hrs        |
| <input type="checkbox"/> PHED 390 - 2 to 5 hrs | <input type="checkbox"/> L SC 107 - 5 hrs        |

One of the following two concentrations is also required:

1. Sport Management concentration

- ☐ PHED 310 or 320 - 4 hrs
- ☐ PHED 380 - 5 hrs
- ☐ PHED 480 - 4 hrs

2. Wellness Management concentration

- ☐ HLED 180 - 2 hrs
- ☐ HLED 210 - 3 hrs
- ☐ HLED 310 - 3 hrs
- ☐ HLED 350 - 3 hrs
- ☐ HLED 380 - 4 hrs

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 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. 14)
- ☐ Mathematics - 5 hrs for BA; 15 hrs for BS (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - HLED 402, a course required in the major, satisfies this requirement

*Requirements in the major (92 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> HLED 160 - 5 hrs | <input type="checkbox"/> CHEM 220 - 6 hrs               |
| <input type="checkbox"/> HLED 220 - 5 hrs | <input type="checkbox"/> L SC 105 - 5 hrs               |
| <input type="checkbox"/> HLED 260 - 4 hrs | <input type="checkbox"/> L SC 106 - 5 hrs               |
| <input type="checkbox"/> HLED 265 - 4 hrs | <input type="checkbox"/> L SC 107 - 5 hrs               |
| <input type="checkbox"/> HLED 270 - 5 hrs | <input type="checkbox"/> L SC 206 - 5 hrs               |
| <input type="checkbox"/> HLED 401 - 3 hrs | <input type="checkbox"/> MATH 230 - 5 hrs               |
| <input type="checkbox"/> HLED 402 - 2 hrs | <input type="checkbox"/> PHED 340 - 5 hrs               |
| <input type="checkbox"/> HLED 460 - 3 hrs | <input type="checkbox"/> PHED 380 - 5 hrs               |
| <input type="checkbox"/> HLED 470 - 5 hrs | <input type="checkbox"/> PHED 440 - 5 hrs               |
| <input type="checkbox"/> CHEM 110 - 5 hrs | <input type="checkbox"/> PSYC 210 or 220 or 230 - 5 hrs |

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)



**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 (95 hrs or equivalent):*

- |   |   |
|---|---|
| <input type="checkbox"/> HLED 160 - 5 hrs     | <input type="checkbox"/> L SC 105 - 5 hrs             |
| <input type="checkbox"/> HLED 220 - 5 hrs     | <input type="checkbox"/> L SC 106 - 5 hrs             |
| <input type="checkbox"/> HLED 260 - 4 hrs     | <input type="checkbox"/> L SC 107 - 5 hrs             |
| <input type="checkbox"/> HLED 265 - 4 hrs     | <input type="checkbox"/> PHED 340 - 5 hrs             |
| <input type="checkbox"/> HLED 270 - 5 hrs     | <input type="checkbox"/> PHED 380 - 5 hrs             |
| <input type="checkbox"/> HLED 402 - 2 hrs     | <input type="checkbox"/> PHED 440 - 5 hrs             |
| <input type="checkbox"/> HLED 460 - 3 hrs     | <input type="checkbox"/> PHYS 140 - 5 hrs             |
| <input type="checkbox"/> HLED 470 - 5 hrs     | <input type="checkbox"/> PHYS 150 - 5 hrs             |
| <input type="checkbox"/> CHEM 140/141 - 4 hrs | <input type="checkbox"/> PHYS 160 - 5 hrs             |
| <input type="checkbox"/> CHEM 150/151 - 4 hrs | <input type="checkbox"/> PSYC 210, 220 or 230 - 5 hrs |
| <input type="checkbox"/> CHEM 160/161 - 4 hrs |   |

*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.

**Minor in Coaching**

*Required (all of these courses):*

- |   |  |
|---|--|
| <input type="checkbox"/> HLED 150 - 3 hrs | <input type="checkbox"/> PHED 310 or 320 - 4 hrs |
| <input type="checkbox"/> HLED 280 - 3 hrs | <input type="checkbox"/> PHED 340 - 5 hrs        |
| <input type="checkbox"/> PHED 120 - 4 hrs | <input type="checkbox"/> PHED 380 - 5 hrs        |
| <input type="checkbox"/> PHED 290 - 6 hrs |  |

**Minor in Health Education**

*Required (all of these courses):*

- |   |   |
|---|---|
| <input type="checkbox"/> HLED 180 - 2 hrs | <input type="checkbox"/> HLED 310 - 3 hrs |
| <input type="checkbox"/> HLED 220 - 5 hrs | <input type="checkbox"/> HLED 320 - 3 hrs |
| <input type="checkbox"/> HLED 270 - 5 hrs | <input type="checkbox"/> HLED 350 - 3 hrs |
| <input type="checkbox"/> HLED 280 - 3 hrs |   |

**Minor in Physical Education**

*Required (all of these courses):*

- |   |   |
|---|---|
| <input type="checkbox"/> HLED 270 - 5 hrs | <input type="checkbox"/> PHED 340 - 4 hrs |
| <input type="checkbox"/> PHED 120 - 4 hrs | <input type="checkbox"/> PHED 380 - 5 hrs |
| <input type="checkbox"/> PHED 310 - 4 hrs | <input type="checkbox"/> PHED 440 - 5 hrs |
| <input type="checkbox"/> PHED 320 - 4 hrs |   |



## Minor in Sport and Wellness Management

*Required (all courses in either concentration):*

### 1. Sport Management concentration

- |  |  |
|--|--|
| <input type="checkbox"/> HLED 220 - 5 hrs        | <input type="checkbox"/> PHED 380 - 5 hrs      |
| <input type="checkbox"/> PHED 120 - 4 hrs        | <input type="checkbox"/> PHED 390 - 2 to 5 hrs |
| <input type="checkbox"/> PHED 240 - 3 hrs        | <input type="checkbox"/> PHED 392 - 4 hrs      |
| <input type="checkbox"/> PHED 310 or 320 - 4 hrs | <input type="checkbox"/> PHED 480 - 4 hrs      |

### 2. Wellness Management Concentration

- |   |  |
|---|--|
| <input type="checkbox"/> HLED 270 - 5 hrs | <input type="checkbox"/> PHED 240 - 3 hrs      |
| <input type="checkbox"/> HLED 380 - 4 hrs | <input type="checkbox"/> PHED 390 - 2 to 5 hrs |
| <input type="checkbox"/> PHED 120 - 4 hrs | <input type="checkbox"/> PHED 392 - 4 hrs      |

## Program Outcomes

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 the sport & wellness management major—wellness management concentration. Students will be prepared to sit for the Certified Health Education Specialist Exam.

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 program in the sport & wellness management major—sport management concentration.

The academic coursework in the **Sport and Wellness Management** major allows for skill and knowledge development that will prepare individuals for possible employment with professional sports teams, colleges and universities, corporations, public and private fitness or health clubs, government agencies, social agencies, non-profit health agencies, community recreation centers, and commercial sport establishments. Individuals wishing to pursue an advanced degree in sport and/or wellness management will have received a strong academic and practical skill foundation that will enable them to continue their education.

The **B.A. in Athletic Training** is designed to qualify the student for the NATA Certification Exam as well as prepare students for work in a clinical, high school, or industrial setting where the Bachelor of Arts degree is the highest degree earned. The addition of microbiology, chemistry, statistics, and independent research also helps prepare the students for graduate school programs in exercise physiology, athletic training, physician's assistant, or other allied 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.

For entry into secondary education/athletic training, the following first year requirements must be met: (1) completion of L SC 105/106/107 and HLED 160/270



with grades of C or higher, (2) completion of 100 observation hours, (3) completion of the Program Application Form and (4) achievement of an overall GPA of 2.5 or higher.

The **B.S. in Athletic Training** is designed to qualify the students for the NATA Certification Exam as well as allow the students to seek postgraduate education in science-demanding fields, such as medicine or physical therapy. This program contains significant chemistry and physics to help meet the prerequisites of such graduate programs.

### **Physical Education Courses (HPED & PHED)**

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.

#### **HPED 100 PHYSICAL EDUCATION**

**1 hr (3 qtr hrs req. for graduation;  
maximum of 6 qtr hrs permitted)**

Designed to meet the College requirement in health and physical education. Courses to choose from include: archery, badminton, ballroom dance, basketball, billiards, bowling, canoeing, chi kung, cycling, dancercise, exercise walking, fencing, fitness for life, dance, golf, handball, horseback riding, informed spectator, jogging, life guard training, lifesaving, line and novelty dance, modern dance, modern jazz, movement awareness, racquetball, recreational folk dance, scuba, self-defense, sexual maturity, soccer, softball, Sports in America, Surviving College The Healthy Way, tai chi chuan, tap dance, tennis, volleyball, walleyball, weight management, weight training and yoga relaxation. *Open to freshmen, sophomores, juniors and seniors.*

#### **PHED 120 INTRODUCTION TO PHYSICAL EDUCATION, SPORT AND WELLNESS MANAGEMENT**

**4 hrs**

An overview of historical, philosophical, behavioral and scientific principles and facts as applied to physical education, sport, and wellness.

#### **PHED 130 MOTOR DEVELOPMENT**

**3 hrs**

This course involves the study of motor maturation and development variances affecting motor efficiency in individuals. The focus will be on the application of lifespan foundational growth and motor development knowledge needed by the Physical Education professional. *Prereq: PHED 120*

#### **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.*

#### **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.



**PHED 210 EARLY CHILDHOOD PHYSICAL EDUCATION PROGRAM**

**3 hrs**

This course focuses on physical education for the preschool-primary age child (ages 3-8). 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 and equipment) interrelationships which enable young learners to develop the fundamental motor and rhythmic skills that form the movement foundation for 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: INST 130 and EDUC 160.*

**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 210.*

**PHED 240 LEGAL ASPECTS OF SPORT, HEALTH, AND PHYSICAL**

**ACTIVITY**

**3 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 290 TECHNIQUES AND STRATEGIES OF COACHING**

**2 hrs**

A study of the philosophies, ethics, methods, strategies and mechanics of coaching.

*Physical education majors (men) are encouraged to complete three of the six sports:*

**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.

**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.

**PHED 330 DEVELOPMENTAL TEACHING METHODS IN PHYSICAL**

**EDUCATION FOR GRADES 4-12**

**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.



**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 105, 106 and 107, or permission of instructor.*

**PHED 360 ADAPTED PHYSICAL EDUCATION**

**3 hrs**

A study of the physical education program as adapted and organized for the atypical child, including therapeutics, mainstreaming and recreation for the disabled and handicapped. *Open to juniors and seniors only; Prereq: PHED 210/220 and one course from PHED 310/320/330.*

**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 OF HEALTH,  
PHYSICAL EDUCATION AND SPORT STUDIES**

**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 390 INDEPENDENT STUDY**

**2-5 hrs**

Research project in physical education, sport or wellness for qualified students. *Sophomore standing and permission of the instructor. May be repeated for credit.*

**PHED 392 MANAGEMENT OF SPORT, FITNESS, AND LEISURE  
PROGRAMS**

**4 hrs**

A study of the philosophies and management techniques required in the administration of both private and public sport, fitness and leisure programs. *Prereq: PHED 120.*

**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 105, 106, 107 or permission of instructor.*



**PHED 480 PRINCIPLES AND PRACTICES OF PHYSICAL EDUCATION  
AND SPORT**

**4 hrs**

A reflective study of the underlying principles and the nature of physical education and sports as they relate to the issues and trends of contemporary physical education and sport in our culture. *Open to seniors only.*

**PHED 490 INTERNSHIP**

**10-15 hrs**

Qualified students may elect 10-15 hours of Physical Education 490 upon submission of a written proposal. Work is within a single term or spread out over three consecutive terms. Internships are available in recreation, sports merchandising, sports management, wellness management, corporate fitness, camp management, professional sports, country clubs, resorts, and must be supervised by a department faculty member. Evidence of work done 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 Education Courses (HLED)**

**HLED 150 CARE AND PREVENTION OF ATHLETIC INJURY**

**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 designed for the non-Sports Medicine major.*

**HLED 160 BASIC ATHLETIC TRAINING**

**5 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 Sports Medicine majors only.*

**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 210 COMMUNITY HEALTH**

**3 hrs**

Focuses on health issues in the community such as drug abuse, nutrition, environmental health, violence and disease prevention. This course also addresses appropriate responses to problems related to these same health issues. In addition, needs assessment, program planning of, implementation, and evaluation will be addressed in this course.



**HLED 220 NUTRITION AND FITNESS**

**5 hrs**

Nutrition needs of individuals in various stages of the life cycle with emphasis on related chemical and biological processes. *Prereq: L SC 105. Recommend chemistry background.*

**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**

**4 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 105, 106 and 107. Coreq: 100 internship hours.*

**HLED 265 ADVANCED ATHLETIC TRAINING II**

**4 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 270 PERSONAL HEALTH**

**5 hrs**

Information focuses on issues related to individual health status throughout the lifespan. It includes such topics as heart disease, cancer, infectious disease, mental health, physical activity, human sexuality, tobacco and other drugs. In addition, students will develop skills in information retrieval using a variety of technological resources.

**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 310 ALCOHOL, TOBACCO AND DRUGS:**

**A HEALTH PERSPECTIVE**

**3 hrs**

Examines historical, personal and cultural basis for current patterns of use, misuse, and abuse of drugs, alcohol and tobacco. Course uses technological resources to explore current health promotion programs. Technology, reflection and application will also be integrated into this course.



**HLED 320 HUMAN SEXUALITY**

**3 hrs**

This topic is approached from a variety of perspectives including historical, psychological, biological, ethical, and legal. Special emphasis is placed on HIV/STD prevention behaviors. Technology, reflection, and application will also be integrated into this course.

**HLED 350 HEALTH EDUCATION PROGRAMS**

**3 hrs (alt. yrs. 00-01)**

This course is required for multi-age health education licensure. Focus is on innovative teaching-learning experiences for health educators. Content includes theory, curriculum, materials, technology resources, instructional methods, and assessment/evaluation techniques in health instruction in PreK-12 settings. Content will focus on the six risk behaviors and Comprehensive School Health Program. *Prereq: HLED 270.*

**HLED 351 HEALTH EDUCATION PROGRAMS FIELD EXPERIENCE**

**2 hrs (alt. yrs. 00-01)**

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 (alt. yrs. 99-00)**

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. Provides knowledge and skills necessary to assess, plan, implement, and evaluate health promotion programs for multi-age populations. (This is a service-learning course). *Prereq: HLED 180 and 210.*

**HLED 390 INDEPENDENT STUDY**

**2-5 hrs**

Research 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 460 CLINICAL MODALITIES**

**3 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 470 PRINCIPLES OF REHABILITATION**

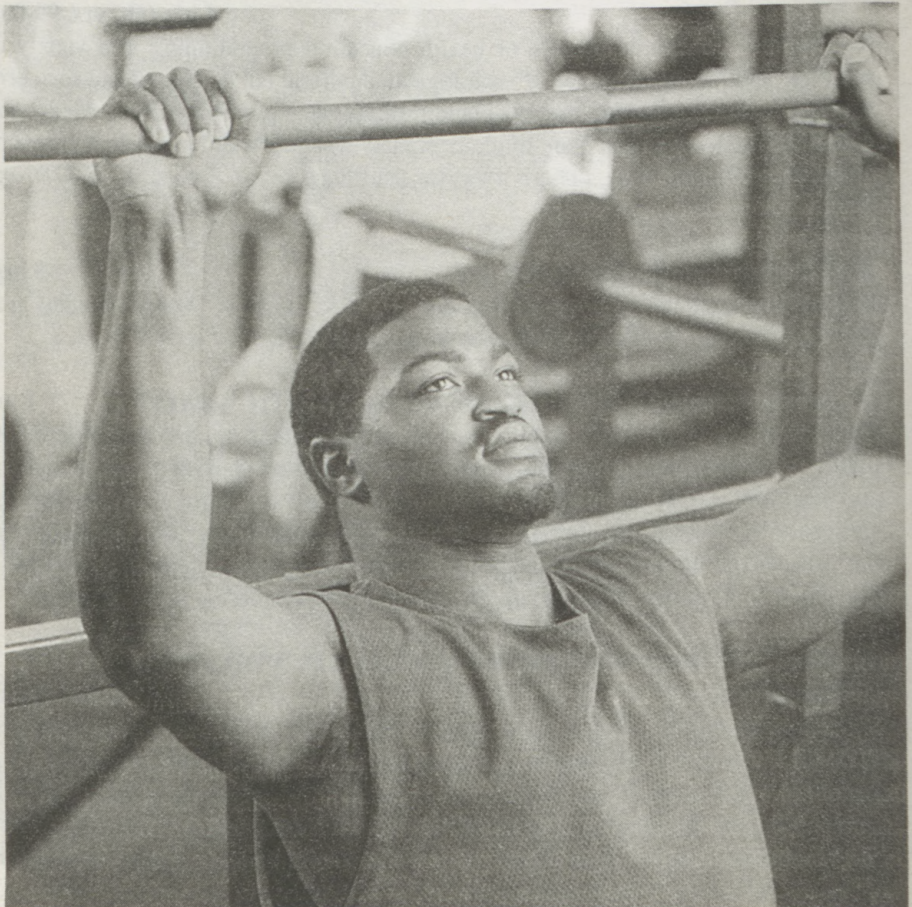
**5 hrs**

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 105, 106, 107, 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.*





# HISTORY AND POLITICAL SCIENCE

*Cooper (chairperson), Gerona, Halbert, MacLean, Rose, Yntema.*

## **Mission and Programs**

The Department of History and Political Science, with six 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, and houses the interdisciplinary major in International Studies and the Pre-Law Program. 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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (at least 50 hrs):*

- ☐ HIST 110 - 5 hrs
- ☐ HIST 120 - 5 hrs
- ☐ HIST 200 - 5 hrs
- ☐ HIST 210 - 5 hrs
- ☐ HIST 220 - 5 hrs
- ☐ HIST 280 - 5 hrs
- ☐ one course from among HIST 300, 310, 340 and 385 - 5 hrs
- ☐ one course from among HIST 350, 360, 370, 375 and 380 - 5 hrs
- ☐ remaining hours to reach 50 from among other HIST courses
- ☐ At least 15 of the 50 total hours must be at 300/400 level

*Required total hours for the degree:*

- ☐ At least 180 (also see exception/additional comments on p. 22)

*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

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, 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.

Requirements for students seeking **secondary teacher licensure in Social Studies** appear in the *Teacher Education Programs* booklet available upon request from the Education Department. Requirements for the 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.

### **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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ 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
- ☐ MATH 230 - 5 hrs
- ☐ remaining hours to reach 50 P SC hours from among other P SC courses with at least 15 at 300/400 level

*Required total hours for the degree:*

- ☐ At least 180 (also see exception/additional comments on p. 22)

*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.

### **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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)



*Requirements in the major (60 hrs or equivalent):*

- ☐ 1 course in Foreign Language from FREN 210 or SPAN 210, or higher (prerequisites may be required) - 5 hrs
- ☐ 1 course in European History from among HIST 200, 210 and 220 - 5 hrs
- ☐ 2 courses in History from among HIST 250, 300 and 340 - 10 hrs
- ☐ 1 course in International Politics: P SC 365 - 5 hrs
- ☐ 2 courses in Political Science from among P SC 355, 380, 410, 482, 488 and 492 - 10 hrs
- ☐ 1 course in Economics: ECON 220 - 5 hrs
- ☐ 2 courses in International Business from among BADM 370/375/385/470 and ECON 350/440 - 10 hrs
- ☐ 1 course in Sociology from among SOCL 270, 300, 340 and 350 - 5 hrs
- ☐ 1 course in Humanities from among ART 250/260, ENGL 232, FREN 240, RELG 270/290/340/350/360 and SPAN 230/240 - 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.

*Required total hours for the degree:*

- ☐ At least 180 (also see exception/additional comments on p. 22)

*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 "History" or "Comprehensive 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 "Comprehensive 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, 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**

Beginning with the meeting of Native American and European cultures, this course explores the parallel developments of American democracy and republicanism, the creation of an integrated economy, the origin of the institution of slavery, and the process of emancipation. It looks at the rise of social and religious reform movements, and it traces the course of westward expansion, the descent into sectional conflict and civil war, and the restoration of the union.

#### ***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 the 17th 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 250 ECONOMIC HISTORY**

**5 hrs**

This course focuses on the development of pre-industrial economies, the Industrial Revolution in Britain, the subsequent 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 260 AFRICAN-AMERICAN HISTORY**

**5 hrs**

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. A sophomore and junior level course.

**HIST 270 OHIO HISTORY**

**5 hrs**

A survey of the economic, cultural, political and social history of Ohio.

**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.

**HIST 290 AMERICAN WOMEN: A HISTORY**

**5 hrs**

A study of the history of women in America from the colonial period to the present, with attention to social, cultural, political, and economic history.

**HIST 300 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 310 MEDIEVAL AND RENAISSANCE HISTORY**

**5 hrs**

A study of early European history from 500 to 1500 with special emphasis on the contribution of this period to later developments.



**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, and Yeltsin.

**HIST 350 SOCIAL PROTEST IN 20TH CENTURY AMERICA**

**5 hrs (every third yr.)**

Focusing on several widely different grassroots social protest movements of the 20th century, including, among others, the Ku Klux Klan and the National Organization of Women. This course investigates the origins and development and causes for the success and/or failure of each movement and the historic and evolutionary changes in the status of American labor and ethnic groups, African-Americans and Native Americans, and women.

**HIST 360 REPUBLICANS v. DEMOCRATS : A HISTORY**

**5 hrs (every third yr.)**

This course will investigate the impact that two world wars, the 1920s consumer revolution, the depression, the McCarthy Era and the 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 370 AMERICAN DIPLOMACY FROM THE SPANISH-AMERICAN WAR TO THE POST COLD WAR WORLD**

**5 hrs (every third yr.)**

The interplay of foreign and domestic political and socioeconomic factors on the evolution of American foreign policy from 1898 to the present. Particular attention will be paid to the background, personalities, and values of Theodore Roosevelt, Woodrow Wilson, Franklin Roosevelt, Richard Nixon, Henry Kissinger, and Ronald Reagan in the shaping of American policy.

**HIST 375 EARLY AMERICAN HISTORY**

**5 hrs (alt. yrs.)**

This course explores the social and cultural history of North America from the pre-Columbian era through the 18th century. Topics include the intermingling of African, Native American, and European cultures, the formation of the British colonies, the emergence of a distinct American society and ideology, the Revolutionary War and the construction of a new nation, and the development of 18th-century society and culture.

**HIST 380 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 seminal event in America's past.



### **HIST 385 MODERN EUROPEAN INTELLECTUAL HISTORY**

**5 hrs (alt. yrs.)**

This course covers selected ideas, ideologies, and intellectual movements within modern European history. On each occasion the course is offered, it will concentrate on a particular set of themes and specific time period from the Enlightenment to the present. Topics include the transformation of the concepts of progress and reason, the development of historical consciousness and social theory, and the contemporary exploration of language and the psyche.

### **HIST 390 INDEPENDENT STUDY**

**1-5 hrs**

Independent study. *Prereq: Permission of instructor.*

### **HIST 410 INTERPRETING AND TEACHING THE HOLOCAUST** **5 hrs**

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 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. *Recommended: MATH 230.*

**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.*

**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 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: P SC 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 THEORY**

**5 hrs (every third yr.)**

A chronological study of the mainstream and radical currents of American political thought from colonial times to the present. *Prereq: P SC 100 or P SC 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.*





# LIFE AND EARTH SCIENCES

Hoggarth (chairperson), Christian, Gahbauer, Lawrance, Lehman, Lescinsky, Stahl.

## *Mission and Programs*

The Department of Life and Earth Sciences has as its mission: (1) to prepare students for careers in biology related and geology related fields; (2) to prepare students for graduate and professional education; (3) to support the Integrative Studies Department; (4) to provide support courses for other departments; and (5) to develop students' abilities to acquire knowledge, to make critical judgments, to form a commitment to intellectual inquiry, to express themselves clearly, to participate thoughtfully in discussion and decision making, and to develop their powers of synthesis.

## **Majors in Life Science and Molecular Biology**

The department offers majors in Life Science and Molecular Biology. Within the life science major six programs of study are offered: **ecology and environmental sciences, molecular biology, plant science, pre-professional health sciences, general biology and secondary teaching licensure.**

The Department of Life and Earth Sciences also offers programs leading toward minors in Earth Science and Life Science. It is also the home department for the interdisciplinary Environmental Studies minor.

The **Ecology and Environmental Sciences** program of study emphasizes the development of the ability to recognize, examine, and understand environmental problems with 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 including the human genome; the cellular organization of life, cell specialization, and cancer; and the manipulation of life through genetic engineering. Applications of molecular biology in biomedicine, agriculture, industry, forensics and the environment are also studied. The program emphasizes laboratory experiences. A culminating research project at Otterbein or an internship in an appropriate laboratory (e.g. Battelle, Ross Laboratories, Abbott Laboratories, Ohio Bureau of Criminal Investigation) is strongly encouraged.

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 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 prepares students for programs in medicine, osteopathy, chiropractic, dentistry, veterinary medicine, optometry, physical therapy, podiatry, medical technology, physicians' assistants and other health fields or graduate programs in the health sciences. Laboratory experiences are emphasized. In addition, a culminating research project or internship with appropriate professionals is strongly recommended.

The **General Biology** program of study fulfills the college requirement of a Life Sciences 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 **Teacher Education** program of study prepares students for teaching biology in the public schools and also prepares them for postgraduate education in professional or graduate schools. Requirements for the 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.

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. The major is recommended for students interested in graduate programs and careers in molecular biology, molecular genetics, medicine, biomedical science, genetic engineering and biotechnology.

### **Minor in Life Science**

*Required (at least 25 total hrs):*

- ☐ All hours from among any L SC courses.

### **Minor in Earth Science**

*Required (at least 25 total hrs):*

- ☐ All hours from among any E SC courses.

**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 has three functions, 1) to provide supporting information to the Ecology and Environmental Science Concentration, 2) to provide required courses in Physical Geology and Oceanography for the General Science Certification, and 3) as a minor that would benefit anyone in the college. The minor helps prepare students for graduate programs in ecology, environmental sciences, and environmental studies.



## Minor in Environmental Studies

For a description of the **environmental studies minor**, refer to p. 91 in this section of the catalog.

## 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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (60 hrs or equivalent; approximately 75 additional hrs required for teacher licensure):*

- |   |   |
|---|---|
| <input type="checkbox"/> L SC 101 - 5 hrs | <input type="checkbox"/> CHEM 140 - 3 hrs |
| <input type="checkbox"/> L SC 102 - 5 hrs | <input type="checkbox"/> CHEM 141 - 1 hr  |
| <input type="checkbox"/> L SC 103 - 5 hrs | <input type="checkbox"/> CHEM 150 - 3 hrs |
| <input type="checkbox"/> L SC 201 - 5 hrs | <input type="checkbox"/> CHEM 151 - 1 hr  |
| <input type="checkbox"/> L SC 202 - 5 hrs | <input type="checkbox"/> CHEM 160 - 3 hrs |
| <input type="checkbox"/> L SC 401 - 3 hrs | <input type="checkbox"/> CHEM 161 - 1 hr  |

### **One of the following six programs of study is also required:**

1. Ecology and Environmental Sciences program of study (take any four courses)

- |   |   |
|---|---|
| <input type="checkbox"/> L SC 302 - 5 hrs | <input type="checkbox"/> L SC 313 - 5 hrs |
| <input type="checkbox"/> L SC 303 - 5 hrs | <input type="checkbox"/> L SC 315 - 5 hrs |
| <input type="checkbox"/> L SC 304 - 5 hrs | <input type="checkbox"/> L SC 316 - 5 hrs |
| <input type="checkbox"/> L SC 307 - 5 hrs |   |

- Suggested electives include Earth Science 201/202/205/301/302; Chemistry 220, or 240/241/250/251/260/261; Computer Science 100; Life Science 204/208/212/213/214/390/490; and Math 230/231.

2. Molecular Biology program of study (take any four courses)

- |   |   |
|---|---|
| <input type="checkbox"/> L SC 301 - 5 hrs | <input type="checkbox"/> L SC 306 - 5 hrs |
| <input type="checkbox"/> L SC 304 - 5 hrs | <input type="checkbox"/> L SC 308 - 5 hrs |
| <input type="checkbox"/> L SC 305 - 5 hrs | <input type="checkbox"/> L SC 314 - 5 hrs |

- Suggested electives include Chemistry 240/241/250/251/260/261/450/460; Computer Science 100; Life Science 208/211/215/390/490; Math 170/180/230/231; and Physics 140/150/160. Check with your adviser regarding admission requirements for specific graduate programs.

3. Plant Science program of study (take any four courses)

- |   |  |
|---|--|
| <input type="checkbox"/> L SC 303 - 5 hrs | <input type="checkbox"/> L SC 317 - 5 hrs        |
| <input type="checkbox"/> L SC 308 - 5 hrs | <input type="checkbox"/> L SC 301 or 304 - 5 hrs |
| <input type="checkbox"/> L SC 316 - 5 hrs | <input type="checkbox"/> L SC 313 or 315 - 5 hrs |

- Suggested electives include Chemistry 240/241/250/251/260/261; Computer Science 100; Life Science 208/213/214; Math 170/180/230/231; and Physics 140/150/160.

4. Pre-professional Health Sciences program of study (take any four courses)

- |   |   |
|---|---|
| <input type="checkbox"/> L SC 301 - 5 hrs | <input type="checkbox"/> L SC 309 - 5 hrs |
| <input type="checkbox"/> L SC 304 - 5 hrs | <input type="checkbox"/> L SC 311 - 5 hrs |
| <input type="checkbox"/> L SC 305 - 5 hrs | <input type="checkbox"/> L SC 314 - 5 hrs |
| <input type="checkbox"/> L SC 306 - 5 hrs |   |



- Suggested electives include Chemistry 240/241/250/251/260/261/450/460; Computer Science 100; Life Science 208/211/215/390/490; Math 170/180/230/231; and Physics 140/150/160. Check with the premed adviser for admission requirements for specific professional programs.

5. General Biology program of study (take any 4 courses)

- |   |   |
|---|---|
| <input type="checkbox"/> L SC 301 - 5 hrs | <input type="checkbox"/> L SC 309 - 5 hrs |
| <input type="checkbox"/> L SC 302 - 5 hrs | <input type="checkbox"/> L SC 311 - 5 hrs |
| <input type="checkbox"/> L SC 303 - 5 hrs | <input type="checkbox"/> L SC 313 - 5 hrs |
| <input type="checkbox"/> L SC 304 - 5 hrs | <input type="checkbox"/> L SC 314 - 5 hrs |
| <input type="checkbox"/> L SC 305 - 5 hrs | <input type="checkbox"/> L SC 315 - 5 hrs |
| <input type="checkbox"/> L SC 306 - 5 hrs | <input type="checkbox"/> L SC 316 - 5 hrs |
| <input type="checkbox"/> L SC 307 - 5 hrs | <input type="checkbox"/> L SC 317 - 5 hrs |
| <input type="checkbox"/> L SC 308 - 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.

6. Teacher Education program of study

Requirements for secondary teacher licensure in Life Sciences appear in the *Teacher Education Programs* booklet available upon request from the Education Department.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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. 14)
- ☐ Mathematics - fulfilled by meeting requirements in the major
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ 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)

- |   |   |
|---|---|
| <input type="checkbox"/> L SC 101 - 5 hrs | <input type="checkbox"/> L SC 301 - 5 hrs         |
| <input type="checkbox"/> L SC 102 - 5 hrs | <input type="checkbox"/> Any three electives from |
| <input type="checkbox"/> L SC 103 - 5 hrs | among L SC 304, 305, 306,                         |
| <input type="checkbox"/> L SC 201 - 5 hrs | 308 and 314 - 15 hrs                              |
| <input type="checkbox"/> L SC 202 - 5 hrs | <input type="checkbox"/> L SC 401 - 3 hrs         |

Required Chemistry courses (30 hrs)

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 140/141 - 4 hrs | <input type="checkbox"/> CHEM 250/251 - 4 hrs |
| <input type="checkbox"/> CHEM 150/151 - 4 hrs | <input type="checkbox"/> CHEM 260/261 - 4 hrs |
| <input type="checkbox"/> CHEM 160/161 - 4 hrs | <input type="checkbox"/> CHEM 450 - 3 hrs     |
| <input type="checkbox"/> CHEM 240/241 - 4 hrs | <input type="checkbox"/> CHEM 460 - 3 hrs     |

Required Physics courses (15 hrs)

- |   |   |
|---|---|
| <input type="checkbox"/> PHYS 140 - 5 hrs | <input type="checkbox"/> PHYS 160 - 5 hrs |
| <input type="checkbox"/> PHYS 150 - 5 hrs |   |



Required support courses (10 hrs)

☐ MATH 170 - 5 hrs

☐ MATH 180 - 5 hrs

Required total hours for the degree:

☐ At least 180 (also see exceptions/additional comments on p. 22)

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.

### Program Outcomes

The **Ecology and Environmental Sciences** 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 in the field or for graduate programs in General Biology.

The **Molecular Biology** program of study prepares students with a concentration in molecular biology that can be combined with other programs of study including secondary education licensure, other concentrations and majors, or a more broadly focused liberal arts education.

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, physical therapy, podiatry, medical technology, physicians' assistants, and other health fields or graduate programs in the health sciences.

The **Teacher Education** program of study prepares students for teaching biology in the public schools and also prepares them for postgraduate education in professional or graduate schools.

The **Earth Science** minor helps prepare students for graduate programs in ecology, environmental sciences, and environmental studies.

### 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.

**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)**

**5 hrs**

*Lecture and laboratory*

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 105 INTRACELLULAR BIOLOGY**

**5 hrs**

*Lecture and laboratory*

The first in a three-course sequence (Life Science 105, 106 and 107) required of physical education and sports medicine majors. Designed to give students a basic understanding of life at the cellular and subcellular level.

**L SC 106 ANATOMY AND PHYSIOLOGY 1**

**5 hrs**

*Lecture and laboratory*

An introductory lecture and laboratory course in human anatomy and physiology. Microscopic and gross anatomy, plus the functioning and development of the skeletal, muscular, respiratory and cardiovascular systems are covered. Required of health and physical education and sport medicine majors and others. *Prereq: L SC 105 or permission.*

**L SC 107 ANATOMY AND PHYSIOLOGY 2**

**5 hrs**

*Lecture and laboratory*

A continuation of Life Science 106 with emphasis on the major coordinating and integrating system. Topics include: digestive system, urogenital system and acid base balance, nervous system and endocrine system. Required of health and physical education and sports medicine majors and others. *Prereq: L SC 105 and 106 or permission.*



**L SC 108 ANATOMY AND PHYSIOLOGY I****5 hrs***Lecture and laboratory*

An introductory lecture and laboratory course in human anatomy and physiology. Includes an introduction to life at the cellular level. Microscopic and gross anatomy and the functioning and development of the skeletal, muscular, respiratory and cardiovascular systems are covered. *Prereq: CHEM 110 or permission.*

**L SC 109 ANATOMY AND PHYSIOLOGY II****5 hrs***Lecture and laboratory*

A continuation of Life Science 108 with emphasis placed on major coordinating and integrating systems. Topics include: digestive system and intermediary metabolism, urogenital system and acid base balance, nervous system, endocrine system, embryonic development and genetics. *Prereq: L SC 108 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 101, 102 and 103 or permission.*

**L SC 202 CELL BIOLOGY****5 hrs***Lecture and laboratory*

A study of the cell, its membrane and organelles and the universality of the chemical processes that bring about their structure and function. Laboratory includes use of various separation devices such as centrifuges and electrophoresis equipment and measurement devices including spectrophotometers, densitometers and pH meters. Statistical analysis of quantitative results to determine probability of chance differences between experimentals and controls is emphasized. *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 human infectious diseases. Topics include the biochemistry, structure, metabolism, genetics and evolution of viruses, bacteria and other microbial pathogens; an overview of the human immune system and the prevention and treatment of infectious disease. Laboratory requires the identification of two unknowns in mixed culture. *Prereq: CHEM 110 and/or L SC 105 or permission.*



**L SC 208 SCIENTIFIC TERMINOLOGY**

**2 hrs**

A course designed to introduce students to the components of scientific terms, e.g. combining forms, prefixes, suffixes, and their meanings.

**L SC 211 EMBRYOLOGY**

**3 hrs (alt. yrs.)**

*Lecture and laboratory*

A course designed to give students knowledge of the anatomy of the development process of vertebrate embryos. Recommended for preprofessional medical and paramedical students. *Prereq: L SC 101, 102 and 103 or permission.*

**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 DENDROLOGY**

**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 give students a conceptual understanding of tissues, using light microscope level. *Prereq: L SC 101, 102 and 103 or permission.*

**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 101, 102, 103, 201 and 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 101, 102, 103, 201 and 202 or permission.*



**L SC 303 PLANT MORPHOLOGY****5 hrs (alt. yrs.)***Lecture and laboratory*

This course covers the diversity of plants and plant-like organisms. Lecture and laboratory include detailed exploration of the classification, life cycles, and ecology of algae, mosses, ferns, gymnosperms, and angiosperms. *Prereq: L SC 101, 102, 103, 201 and 202 or permission.*

**L SC 304 MICROBIOLOGY****5 hrs (alt. yrs.)***Lecture and laboratory*

An exploration of realms of life invisible to the unaided eye. Topics include the biochemistry, structure, metabolism, genetics and evolution of bacteria, viruses, prions and other microbial life forms. Roles of microbes in the environment and in health and disease are also studied. Objectives include mastery of basic concepts and lab techniques, developing skills in critical reading of the primary literature, and completion of term research paper on a topic of interest. Laboratory stresses techniques and methodology of identification, culturing, inhibition and destruction of microbes. *Prereq: L SC 101, 102, 103, 201 and 202. For majors or permission.*

**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 in the development of a research proposal. *Prereq: L SC 101, 102, 103, 201 and 202 or permission.*

**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 karyotyping and an analysis of human DNA sequence variation. Objectives include mastering basic concepts and laboratory techniques, developing skills in critical reading of the primary literature and creative application of scientific method in the development of a research proposal. *Prereq: L SC 101, 102, 103, 201 and 202 or permission.*

**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 101, 102, 103, 201 and 202, 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 101, 102, 103, 201 and 202 or permission.*

**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 101, 102, 103, 201 and 202 or permission.*

**L SC 311 PHYSIOLOGY OF INTEGRATED SYSTEMS**

**5 hrs (alt. yrs.)**

*Lecture and laboratory*

An investigative study of physiological mechanisms in animal systems, with emphasis on the human. *Prereq: L SC 101, 102, 103, 201 and 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 302 or permission.*

**L SC 314 DEVELOPMENTAL BIOLOGY**

**5 hrs (alt. yrs.)**

*Lecture and laboratory*

An integrated approach to the aspects of development encompassing a related survey and applications of such morphogenetic phenomena as growth, differentiation, regeneration, metamorphosis, and aging in living organisms. Major factors operative in the control of development will be treated quantitatively as well as qualitatively via mathematic, genetic, and physiological analysis. *Prereq: L SC 101, 102, 103, 201 and 202. For majors or permission.*



**L SC 315 ECOLOGICAL MANAGEMENT/LAND USE PLANNING****5 hrs (alt. yrs.)***Lecture and laboratory*

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 101, 102, 103, 201 and 202 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 101, 102, 103, 201 and 202 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 101, 102, 103, 201 and 202 or permission.*

**L SC 390 INDEPENDENT STUDY****1-7 hrs**

A series of seminars including faculty and student research, guest speakers, career opportunities and related topics of interest in the life and earth sciences. *Prereq: Senior status.*

**L SC 401 SENIOR SEMINAR - required all 3 qtrs****1 hr ea. quarter**

A series of seminars including faculty and student research, guest speakers, career opportunities and related topics of interest in the Life and Earth Sciences. *Prereq: Life Science major with senior status, or permission.*

**L SC 490 INTERNSHIP****1-7 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 500 ADVANCED APPLIED PHYSIOLOGY****5 hrs**

This course builds on basic pathophysiology and studies current concepts and theories related to disease processes occurring across the adult lifespan.

*Prereq: Graduate status*



## **Earth Science Courses (E SC)**

### **E SC 101 OCEANOGRAPHY**

**4 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 (alt. yrs.)**

*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 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 laboratory*

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**

**1-7 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**

**1-7 hrs**

Cooperative internships in the earth sciences. The student is advised to apply to the Life and Earth Science Department 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

*Enyart (chairperson), Buck, Deever (Patton Professor of Computer Science), Harper, Heym, Hinton, Hrinca, Huang, James, Stucki, Tong, Tremaine, Wiley.*

## **Mission and Programs**

The Department of Mathematical Sciences consists of 12 full-time faculty members. The department views its primary mission as teaching, including providing "college-level exposure in mathematics to all Otterbein students (except those in the specialized arts and music programs)," providing remedial offerings in mathematics, supporting of majors in other departments, and preparing majors for advanced study, high school teaching in mathematics and computer science, and careers in mathematics, including actuaries, statisticians, analysts, and management scientists. The department also recognizes a mission in scholarship and research, which is seen as primarily supportive of teaching.

The department offers 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. in Ed. 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. 14)
- ☐ Mathematics - fulfilled by completing the math required in the major
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

### *Requirements in the major (at least 45 total hrs)*

- ☐ MATH 170 - 5 hrs
- ☐ MATH 180 - 5 hrs
- ☐ MATH 190 - 5 hrs
- ☐ MATH 200 - 5 hrs
- ☐ MATH 220 - 5 hrs
- ☐ MATH 290 - 5 hrs
- ☐ Remaining hours from among MATH 231 and any other MATH courses at 300/400 level. MATH hours must total at least 45 with at least 15 at 300/400 level.

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

### *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
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on pp. 16)

### *Requirements in the major (at least 60 total hrs)*

- ☐ MATH 170 - 5 hrs
- ☐ MATH 180 - 5 hrs
- ☐ MATH 190 - 5 hrs
- ☐ MATH 200 - 5 hrs
- ☐ MATH 220 - 5 hrs
- ☐ MATH 290 - 5 hrs
- ☐ Remaining hours from among MATH 231 and any other MATH courses at 300/400 level. MATH hours must total at least 60 with a least 15 at 300/400 level.

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

### *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 Mathematics**

### *Required (at least 25 total hrs):*

- ☐ All hours from among MATH 260 and any other MATH courses which do not count towards the Mathematics major.

## **B.A. or B.S. degree with a major in Computer 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. 14)
- ☐ Mathematics - fulfilled by completing the math required in the major
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 15)

### *Requirements in the major (81 hrs or equivalent)*

- ☐ C SC 100 - 3 hrs
- ☐ C SC 120 - 2 hrs
- ☐ C SC 150 - 5 hrs
- ☐ C SC 160 - 5 hrs
- ☐ C SC 200 - 5 hrs
- ☐ C SC 210 - 5 hrs
- ☐ C SC 220 - 5 hrs
- ☐ C SC 230 - 5 hrs
- ☐ C SC 300 - 2 hrs
- ☐ C SC 301 - 2 hrs
- ☐ C SC 330 - 5 hrs
- ☐ MATH 155 - 3hrs
- ☐ MATH 165 - 3 hrs
- ☐ MATH 170 - 5 hrs
- ☐ MATH 180 - 5 hrs
- ☐ MATH 220 - 5 hrs
- ☐ COMM 280 - 5 hrs
- ☐ ENGL 335 - 5 hrs

- ☐ 6 hrs from MATH 325, 371 or C SC courses numbered 400 or above; at least 15 hrs in the major must be at 300/400 level

- \* Math 115 or 120 is a prerequisite to Math 155. Math 115/116 or 120 is a prerequisite to Math 170.

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)



### 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 25 total hrs):

- ☐ C SC 150 - 5 hrs
- ☐ C SC 160 - 5 hrs
- ☐ C SC 200 - 5 hrs
- ☐ Remaining hours from among any other C SC course at 200 level or above.

Requirements for students seeking **secondary teacher licensure in mathematics** appear in the *Teacher Education Programs* booklet available upon request from the Education Department. Requirements for the 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.

Note: A graphing calculator is required for many Mathematics courses. Check with the department for a recommendation if you are planning to purchase one.

### SUGGESTED TRACKS IN MATHEMATICS

Note: All tracks begin with the foundation courses: MATH 170, 180, 190, 200, 220, 290 and must include sufficient additional courses from 231 and the 300 level or above to meet the 45 hour (B.A.) or 60 hour (B.S.) requirement.

#### General Mathematics Track: (Preparation for graduate school)

310, 320, 330, 350, 360, 365, 380, 381, 420 as appropriate.

#### Applied Mathematics Track: (Preparation for employment in industry)

230\*, 231, 260\*, 310, 311, 320, 325, 350, 370, 371, 420 as appropriate.

#### Actuarial Science Track: (Preparation for employment in insurance)

230\*, 231, 260\*, 310, 311, 320, 325, 370, 371, 420 as appropriate.

#### Operations Research Track: (Preparation for employment in industry or graduate work in Operations Research)

230\*, 231, 260\*, 310, 311, 320, 350, 370, 371

#### Secondary Education Track: (Preparation for high school teaching; see *Teacher Education Programs* booklet for details.)

150\*, 155\*, 230\*, 340, at least one of 231, 370, and selections from other advanced courses.

\* Courses marked with asterisk do not count toward the 45 or 60 hours required for the major.

All mathematics majors are encouraged to take as many Computer Science courses as possible.



### **Program Outcome**

The department provides programs which may prepare students for graduate school in mathematics, 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.

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 (formerly LAC 080) BASIC CONCEPTS IN MATHEMATICS**

This course is housed in the Academic Support Center. For a description, see p.35.

#### **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**

Polynomial and rational functions and graphs, systems of equations and inequalities. *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**

Continuation of College Algebra. Exponential, logarithmic, and trigonometric functions, identities, graphs, and applications. *Prereq: A C- or better in MATH 115 or qualification through the department's placement exam.*



**MATH 120 ELEMENTARY FUNCTIONS****5 hrs**

More advanced students take this course instead of MATH 115 and 116 as preparation for calculus (Mathematics 170). Topics covered include properties of functions: exponential, logarithmic, trigonometric, rational and polynomial functions. *Prereq:* A B- or better in MATH 090 or qualification through the department's placement exam.

**MATH 150 TOPICS IN CONTEMPORARY MATHEMATICS****5 hrs**

By surveying many topics — viewed in a “liberal arts” context — MATH 150 will provide a broad, diverse, yet more holistic and humanistic perspective toward mathematics. Topics will 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 if that course is required by 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 160 MATHEMATICS OF DECISION MAKING****5 hrs**

A study of mathematical tools for decision making, especially as applied to business management. Includes basic probability and statistics, modeling, linear programming, network analysis, time series. *Credit not allowed for both MATH 160 and MATH 260. Prereq:* A C- or better in MATH 090 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**

Limits, the derivative, differentiation of algebraic and trigonometric functions, applications of the derivative. *Prereq:* A C- or better in MATH 115 and 116 or 120 or qualification through the department's placement exam.

**MATH 180 CALCULUS II****5 hrs**

A continuation of Calculus I. The definite integral and its applications, calculus of the exponential/logarithmic functions, integration of the trigonometric functions. *Prereq:* A C- or better in MATH 170.

**MATH 190 CALCULUS III****5 hrs**

A continuation of Calculus II. Techniques of integration, improper integrals, conic sections, hyperbolic functions, polar coordinates, sequences and series, introduction to partial differentiation. *Prereq:* A C- or better in MATH 180.



**MATH 200 CALCULUS IV**

**5 hrs**

A continuation of Calculus III. Vectors and solid analytic geometry, the calculus of vector-valued functions, partial differentiation and multiple integration. *Prereq: A C- or better in MATH 190.*

**MATH 220 LINEAR ALGEBRA I**

**5 hrs**

Vectors, vector spaces, matrices and determinants, linear transformations with applications. *Prereq: A C- or better in MATH 180.*

**MATH 230 ELEMENTARY STATISTICS I**

**5 hrs**

A study of the principles of probability, descriptive statistics, statistical inference and tests. *Prereq: MATH 115 or 120.*

**MATH 231 STATISTICS II**

**5 hrs**

A continuation of Math 230. Emphasis on data analysis in the context of simple and multiple linear regression and correlation models. Statistical computer packages are used for both exploratory and formal analysis. *Prereq: A C- or better in MATH 230.*

**MATH 260 DECISION MAKING FOR BUSINESS**

**5 hrs**

Similar to MATH 160 but with a statistics prerequisite and covering additional decision making topics. A study of operations research techniques for use in decision making. Includes linear programming, network analysis, and other applications. *Credit not allowed for both MATH 160 and MATH 260. Prereq: MATH 230.*

**MATH 270 MATHEMATICS FOR EARLY AND MIDDLE CHILDHOOD EDUCATION**

**5 hrs**

Selected topics from arithmetic, algebra and geometry for the needs of the teachers of early and childhood mathematics. For early and middle childhood education majors only. *Prereq: MATH 150.*

**MATH 290 TRANSITION TO ADVANCED MATHEMATICS**

**3 hrs**

Logic, foundations of mathematics, mathematical proofs, introductions to branches of mathematics. *Prereq: A C- or better in each of MATH 180 and 220.*

**MATH 310 MATHEMATICAL STATISTICS I**

**5 hrs (alt. yrs.)**

Calculus-based probability, samples, discrete and continuous distributions, multivariate distributions. *Prereq: MATH 230 and 290.*

**MATH 311 MATHEMATICAL STATISTICS II**

**5 hrs (alt. yrs.)**

A continuation of MATH 310. Sampling distributions, approximations, estimation, hypothesis testing, nonparametric statistics. *Prereq: MATH 310.*

**MATH 320 LINEAR ALGEBRA II**

**3 hrs (alt. yrs.)**

A continuation of Math 220. Finite and infinite dimensional vector spaces, linear operators with applications. *Prereq: MATH 220 and 290.*



**MATH 325 NUMERICAL ANALYSIS**

3 hrs (alt. yrs.)

Numerical methods in the solution of mathematical problems including approximation and error estimation. *Prereq: MATH 290 and Computer Science 170.*

**MATH 330 COMPLEX VARIABLES**

5 hrs

Complex numbers, analytic functions, integrals, residues and conformal mapping. *Prereq: MATH 290.*

**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 200 and 220.*

**MATH 360 REAL ANALYSIS**

3 hrs (alt. yrs.)

Limits, continuity, sequences, series, differentiation, Riemann integration. *Prereq: MATH 290.*

**MATH 365 TOPOLOGY**

3 hrs (alt. yrs.)

Metric spaces, limits and continuity in metric spaces, general topological spaces, connectedness, completeness, compactness. *Prereq: MATH 290.*

**MATH 370 OPERATIONS RESEARCH I**

3 hrs (alt. yrs.)

Linear programming, including the simplex algorithm, duality, and sensitivity analysis. Nonlinear programming, including topics selected from: classical optimization, integer programming, transportation/transshipment/assignment problems, quadratic programming. *Prereq: MATH 290.*

**MATH 371 OPERATIONS RESEARCH II**

3 hrs (alt. yrs.)

A continuation of Math 370. Topics selected from those listed above and: networks, goal programming, probabilistic mathematical models such as queuing theory, inventory theory, Markov chains, game theory, and simulation. *Prereq: MATH 370 or both C SC 230 and MATH 220.*

**MATH 380 ABSTRACT ALGEBRA I**

3 hrs (alt. yrs.)

Introduction to groups, rings, fields, number theory. *Prereq: MATH 290.*

**MATH 381 ABSTRACT ALGEBRA II**

3 hrs (alt. yrs.)

Advanced topics in abstract algebra including permutation groups, homomorphism theory, finite field theory, applications. *Prereq: MATH 380.*

**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. Taken by permission of the instructor.

**MATH 490 INTERNSHIP**

**1-15 hrs**

***Computer Science Courses (C SC)***

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 APPLICATIONS SOFTWARE**

**3 hrs**

An introduction to microcomputers and computer software. Hands-on, in-depth experience in applications packages, including spreadsheets, word processing, and data managers. Includes introduction to algorithm development and programming. *Prereq: A C- or better in MATH 090 or qualification through the department's 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. With Laboratory. *Prereq: A C- or better in MATH 115 or 120 or qualifications through the department's mathematics placement exam. Coreq: C SC 100 must be taken prior to or during the same term C SC 120 is taken.*

**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.) With Laboratory. *Prereq: MATH 155, C SC 100, and C SC 120.*

**C SC 155 COMPUTER LANGUAGE**

**2 hrs**

Instruction in a specific computer programming language. Offered on demand. (Decimal numbers used to distinguish specific language: C SC 155.1 for Pascal; C SC 155.2 for COBOL; C SC 155.3 for C; C SC 155.4 for C++; C SC 155.5 for FORTRAN, and others as needed.) *Prereq: C SC 150 or permission of instructor.*



**C SC 160 ABSTRACTION, DATA STRUCTURES,  
AND LARGE SOFTWARE SYSTEMS****5 hrs***Lecture and Laboratory*

Data structures and system software. Abstract data types are introduced along with stacks, queues, trees, and graphs. Complexity is introduced through sorting and searching algorithms. System software is introduced (editors, compilers, linkers, interpreters, user-interfaces). System software illustrates the use of data structures and sorting and searching algorithms (e.g., run-time storage management). With laboratory. *Prereq: MATH 165 (recommended) and C SC 150.*

**C SC 200 LEVELS OF ARCHITECTURE, LANGUAGES,  
AND APPLICATIONS****5 hrs***Lecture and Laboratory*

Levels of abstraction in computer architecture and programming languages. Programming paradigms are introduced and compared (imperative, declarative, object-oriented, functional, database languages). Example problems taken from database management and artificial intelligence serve to introduce these two topics. Computer architecture is discussed at the digital logic and digital systems levels. The topics of virtual machines, sequence control, data control, and type checking can be introduced and compared across programming paradigms. With laboratory. *Prereq: MATH 165 (recommended) and C SC 160.*

**C SC 210 ALGORITHMS, CONCURRENCY, AND  
THE LIMITS OF COMPUTATION****5 hrs***Lecture and Laboratory*

Algorithm complexity and computability and concurrent processing. Introduction to time and space analysis of algorithms, big "O" notation, and time-space trade-offs. Examples taken from problem-solving strategies including greedy, divide-and-conquer, and backtracking, serve to introduce these strategies. The concepts of computable functions and undecidability are discussed. Concurrency issues are introduced by examples taken from system software. With laboratory. *Prereq: C SC 200 and MATH 165.*

**C SC 220 LANGUAGE FORMALISMS AND  
SOFTWARE METHODOLOGY****5 hrs***Lecture and Laboratory*

Formal languages and software methodology. Models of programming language syntax and semantics are introduced including Chomsky's language hierarchy, finite automata, and axiomatic semantics. Examples of finite automata taken from communications and networks (state transition diagrams) serve to introduce these two topics. An in-depth treatment of tools and environments for software development and maintenance. Software reliability issues and standards. The development of large software systems by teams. Software reuse and testing in large systems. With laboratory. *Prereq: C SC 200.*



**C SC 230 DATA REPRESENTATION, ORGANIZATION,  
AND MANAGEMENT**

**5 hrs**

*Lecture and Laboratory*

Information representation and management from the hardware level to the conceptual level. Memory organization and input/output issues are presented (from the hardware level through the perceived user-interface). The topics of knowledge representation and file systems are discussed. With laboratory. *Prereq:* C SC 200.

**C SC 300 PROGRAMMING PRACTICUM I**

**2 hrs**

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 220, COMM 280 and ENGL 335.

**C SC 301 PROGRAMMING PRACTICUM II**

**2 hrs**

A continuation of C SC 300. *Prereq:* C SC 300

**C SC 330 INTERMEDIATE COMPUTER ARCHITECTURE**

**5 hrs**

*Lecture and Laboratory*

The study of computer architectures. Computer design at all levels of abstraction is presented to an intermediate depth. Assembly language, microprogramming, interrupt handling are introduced. Examples taken from real-time systems and device management serve to introduce these two topics. Alternative computer architectures are compared—CISC, RISC, parallel architectures. With laboratory. *Prereq:* C SC 230.

**C SC 390 INDEPENDENT STUDY**

**1-5 hrs**

Independent study. Opportunity for work in topics of special interest.

**C SC 421 ARTIFICIAL INTELLIGENCE**

**3 hrs (alt. yrs.)**

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, plannings and natural language processing. *Prereq:* C SC 220.

**C SC 422 DATABASE PRINCIPLES**

**3 hrs (alt. yrs.)**

Principles of database systems including both the static database design and the transactions that populate the database with data. The Entity-Relationship approach to database conceptual design is emphasized. The classical data models (relational, network, hierarchical) are discussed and the students learn to convert their conceptual database design into the relational data model. The transaction concept and the reliability criteria that are based upon the transaction, concurrency control, and failure recovery are discussed. The functions of a database management system, including data manipulation languages, are covered. *Prereq:* C SC 230.



**C SC 423 PARALLEL AND DISTRIBUTED PROCESSING 3 hrs (alt. yrs.)**

Parallel and distributed processing both use multiple processors executing asynchronously, but they have different goals. Parallel processing looks to finish a particular job in less time, while distributed processing looks to maximize the throughput of the whole system. The course examines the similarities and differences in the two approaches. For parallel processing, algorithm granularity and its match with the process-to-process communication costs is examined. For distributed processing, we emphasize synchronization protocols. *Prereq: C SC 210.*

**C SC 424 COMPUTER NETWORKING**

**3 hrs (alt. yrs.)**

Local area networks, client hardware and software, server hardware and software, network applications software, the Internet and TCP/IP. *Prereq: C SC 200 and MATH 165.*

**C SC 425 INTRODUCTION TO COMPUTER GRAPHICS 3 hrs (alt. yrs.)**

Introduction to display hardware and applications, interactive techniques, 2D scan conversion, 2D and 3D transformations, clipping, 3D viewing, visible surface algorithms, and illumination model. *Prereq: C SC 210 and MATH 220.*

**C SC 485 ADVANCED TOPICS IN COMPUTER SCIENCE 3 hrs (alt. yrs.)**

The presentation of an advanced computer science topic. Possible topics include compiler design, networks and distributed computing, and computer graphics. *Prereq: vary with topic; permission of the instructor.*

**C SC 490 INTERNSHIP**

**1-15 hrs**





# MUSIC

Achter (chairperson), Barkhymer, Boehm, Chivington, Eckenroth, Haberkorn, Johnson, Purcell, Tirey.

## **Mission and Programs**

The Department of Music consists of nine full-time faculty members and approximately 30 part-time faculty. The department's primary goals are "to prepare music majors for professional careers in music and to provide all interested students with experiences that will deepen their aesthetic perception."

The department offers a B.A. major in Music, with concentrations in Applied Music, Theory and Composition, Music and Business, and Music Literature; a B.M.E. in Music; a B.F.A. in Musical Theatre (jointly with the Department of Theatre and Dance); and a music minor.

The Department of Music is an accredited institutional member of the National Association of Schools of Music (NASM).

A **major in music** may receive one of three degrees: Bachelor of Music Education, Bachelor of Arts in Music, or Bachelor of Fine Arts in Musical Theater. 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.

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, music department activities record, and studio teacher's evaluation. 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 three degrees must play or sing creditably in regular recitals of the department; B.M.E. and B.A. students must participate in one or more of the campus major musical ensembles during each quarter they are enrolled at the college.

Students must register for Piano MUSC 473 or Piano Class MUSC 130 until the Piano Proficiency Exam is passed.

## **B.A. degree with a major in Music**

*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); select MATH 115 if pursuing the Music/Business concentration
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)



*Requirements in the major (approximately 65-90+ hrs or equivalent):*

- |  |   |
|--|---|
| <input type="checkbox"/> MUSC 120 OR 472 - 3 hrs | <input type="checkbox"/> MUSC 210 - 3 hrs |
| <input type="checkbox"/> MUSC 130 OR 473 - 3 hrs | <input type="checkbox"/> MUSC 211 - 1 hr  |
| <input type="checkbox"/> MUSC 160 - 3 hrs        | <input type="checkbox"/> MUSC 220 - 3 hrs |
| <input type="checkbox"/> MUSC 161 - 1 hr         | <input type="checkbox"/> MUSC 221 - 1 hr  |
| <input type="checkbox"/> MUSC 170 - 3 hrs        | <input type="checkbox"/> MUSC 260 - 2 hrs |
| <input type="checkbox"/> MUSC 171 - 1 hr         | <input type="checkbox"/> MUSC 340 - 4 hrs |
| <input type="checkbox"/> MUSC 200 - 3 hrs        | <input type="checkbox"/> MUSC 350 - 4 hrs |
| <input type="checkbox"/> MUSC 201 - 1 hr         | <input type="checkbox"/> MUSC 360 - 4 hrs |

**One of the following four concentrations is also required:**

## 1. Applied Music concentration

- ☐ MUSC 262 - 2 hrs
- ☐ MUSC 264 - 2 hrs
- ☐ MUSC 460s/470s (in one performance area) - 24 hrs
- ☐ Creditably perform a full senior recital.

## 2. History/Literature concentration

- ☐ MUSC 262 - 2 hrs
- ☐ MUSC 264 - 2 hrs
- ☐ MUSC 460s/470s (in one performance area) - 12 hrs
- ☐ At least two additional courses in music history/literature - 10 hrs

## 3. Theory/Composition concentration

- ☐ MUSC 462 - 2 hrs
- ☐ MUSC 464 - 2 hrs
- ☐ MUSC 460s/470s (in one performance area) - 12 hrs
- ☐ At least two additional courses in music theory/composition - 10 hrs

## 4. Music/Business concentration

- ☐ MUSC 490 - 4 to 15 hrs
- ☐ MUSC 460s/470s (in one performance area) - 12 hrs
- ☐ THR 280 - 3 hrs
- ☐ A minor in Business Administration consisting of any six of the following seven courses: ACCT 200, BADM 300/310/320/410/430 and ECON 210 - at least 30 total hrs
  - If not proficient, MUSC 110 and 111 are also required.
  - Piano (MUSC 130 or 473) must be taken until the Piano Proficiency Exam is passed.
  - A major must play or sing creditably in regular recitals of the department.
  - Participation in one or more campus major musical ensembles is required each term.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 must be selected)
- ☐ Physical Education - 3 hrs (specifics on p. 15); Recreational Folk 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

- |  |   |
|--|---|
| <input type="checkbox"/> MUSC 120 OR 472 - 3 hrs | <input type="checkbox"/> MUSC 210 - 3 hrs |
| <input type="checkbox"/> MUSC 130 OR 473 - 3 hrs | <input type="checkbox"/> MUSC 211 - 1 hr  |
| <input type="checkbox"/> MUSC 160 - 3 hrs        | <input type="checkbox"/> MUSC 220 - 3 hrs |
| <input type="checkbox"/> MUSC 161 - 1 hr         | <input type="checkbox"/> MUSC 221 - 1 hr  |
| <input type="checkbox"/> MUSC 170 - 3 hrs        | <input type="checkbox"/> MUSC 260 - 2 hrs |
| <input type="checkbox"/> MUSC 171 - 1 hr         | <input type="checkbox"/> MUSC 340 - 4 hrs |
| <input type="checkbox"/> MUSC 200 - 3 hrs        | <input type="checkbox"/> MUSC 350 - 4 hrs |
| <input type="checkbox"/> MUSC 201 - 1 hr         | <input type="checkbox"/> MUSC 360 - 4 hrs |

#### 2. Required Music Education Courses

- |   |   |
|---|---|
| <input type="checkbox"/> MUSC 112 - 1 hr  | <input type="checkbox"/> MUSC 370 - 4 hrs                                   |
| <input type="checkbox"/> MUSC 262 - 2 hrs | <input type="checkbox"/> MUSC 375 - 4 hrs                                   |
| <input type="checkbox"/> MUSC 264 - 2 hrs | <input type="checkbox"/> MUSC 380 - 4 hrs                                   |
| <input type="checkbox"/> MUSC 290 - 2 hrs | <input type="checkbox"/> MUSC 450s - at least 6 ensembles                   |
| <input type="checkbox"/> MUSC 295 - 2 hrs | <input type="checkbox"/> MUSC 460s/470s - 24 hrs                            |
| <input type="checkbox"/> MUSC 300 - 2 hrs | <input type="checkbox"/> MUSC 493 - every term except when student teaching |
| <input type="checkbox"/> MUSC 305 - 2 hrs |   |

#### 3. Required Professional Education Courses

- |   |  |
|---|--|
| <input type="checkbox"/> COMM 100 - 5 hrs | <input type="checkbox"/> EDUC 360 or 365 - 2 hrs |
| <input type="checkbox"/> EDUC 160 - 4 hrs | <input type="checkbox"/> EDUC 400 - 0 to 4 hrs   |
| <input type="checkbox"/> EDUC 200 - 5 hrs | <input type="checkbox"/> EDUC 450 - 3 hrs        |
| <input type="checkbox"/> EDUC 210 - 2 hrs | <input type="checkbox"/> MATH 115 or 150 - 5 hrs |

☐ EDUC 410 Student Teaching - 15 hrs

☐ EDUC 410 Senior Year Experience Seminar - 1 hr

- If not proficient, MUSC 110 and 111 are also required.
- Piano (MUSC 130 or 473) must be taken until the Piano Proficiency Exam is passed.
- A major must play or sing creditably in regular recitals of the department.
- Participation in one or more campus major musical ensembles is required each term.
- An instrumental major should participate in a vocal ensemble at least one year.
- A vocal major should participate in band or orchestra at least one year.

### *Required total hours for the degree:*

- ☐ At least 180, but typically closer to 195 (also see exceptions/additional comments on p. 22)

### *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.F.A. degree with a major in Musical Theatre**

See Department of Theatre and Dance for requirements.

## **Minor in Music**

*Required (at least 25 total hrs):*

- Courses are determined on an individual basis and include a balance of applied music, history, theory and ensembles approved in advance by the Department of Music chairperson.

## **Program Outcomes**

The **Applied Music** program of study may qualify students to teach applied music on their respective instruments, or to apply for graduate study in performance or in a related music track.

The **History/Literature** program of study may qualify students for careers as music journalists (critics) or music librarians, or to apply for graduate study in musicology or in a related music track.

The **Theory/Composition** program of study may qualify students for professional fields such as arranging and orchestration, or to apply for graduate study in theory, composition or in a related music track.

The **Music/Business Interdisciplinary** program consists of a major in music and a minor in business. 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 schools, grades PreK-12. The program also may qualify the student to apply for graduate study in music or music education.

## **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 100 FUNDAMENTALS OF MUSIC**

**2 hrs**

A practical introduction to vocabulary and notation, assuming little or no prior knowledge of music. *Open to theater and non-music majors.*

### **MUSC 101 EAR TRAINING AND SIGHT SINGING**

**1 hr**

To be taken in conjunction with Music 100. Laboratory and classroom instruction.

### **MUSC 110 BASIC MUSICIANSHIP**

**2 hrs**

The vocabulary and notation of music: scales, key signatures, intervals, triads, melodic and rhythmic perception. *Open to non-music majors with permission of chairperson.*



**MUSC 111 EAR TRAINING AND SIGHT SINGING**

**1 hr**

To be taken in conjunction with Music 110. Laboratory and classroom instruction.

**MUSC 112 FOUNDATIONS IN MUSIC EDUCATION**

**1 hr**

Foundations in music education will introduce music education majors to the music teaching profession. Historical and philosophical foundations of music education will be discussed as well as an introduction to the nature of music teaching, the music program, and curriculum in the schools.

**MUSC 120 VOICE CLASS**

**1 hr (three terms)**

Students may be excused from this course by proficiency exam. Beginning course in vocal techniques and song literature; required of all students unable to satisfy audition for private instruction. Course must be repeated for 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 Music 472 after one or two terms. *Must be taken for credit.*

**MUSC 130 PIANO CLASS**

**1 hr (three terms)**

Students may be excused from this course by proficiency exam. Beginning course in piano techniques and literature; required of all majors unable to satisfy audition for private instruction. Course must be repeated for 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 Music 473. Must be repeated until student passes Piano Proficiency Exam, available from head of keyboard area. *Must be taken for credit.*

**MUSC 140 GUITAR CLASS**

**1 hr (three terms)**

Beginning course in guitar techniques and literature; required of all students unable to satisfy audition for private instruction. Course must be repeated for 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 Music 474 after one or two terms. *Must be taken for credit.*

**MUSC 160 THEORY I: DIATONIC HARMONY**

**3 hrs**

Includes triads and seventh chords in four-part writing, nonharmonics and analysis of melodic phrases. *Prereq: Placement exam or MUSC 110.*

**MUSC 161 EAR TRAINING AND SIGHT SINGING**

**1 hr**

To be taken in conjunction with Music 160. Laboratory and classroom instruction.

**MUSC 170 THEORY II: CHROMATIC HARMONY**

**3 hrs**

Includes modulation, analysis of chorales and binary form. *Prereq: Placement exam or MUSC 160.*

**MUSC 171 EAR TRAINING AND SIGHT SINGING**

**1 hr**

To be taken in conjunction with Music 170. Laboratory and classroom instruction.



**MUSC 200 THEORY III: 18TH CENTURY STYLES****3 hrs**

Includes 18th-century counterpoint, fugue, and the Classical forms. *Prereq: MUSC 170.*

**MUSC 201 EAR TRAINING AND SIGHT SINGING****1 hr**

To be taken in conjunction with Music 200. Laboratory and classroom instruction.

**MUSC 210 THEORY IV: 19TH CENTURY STYLES****3 hrs**

Includes small instrumental and vocal forms. *Prereq: MUSC 200.*

**MUSC 211 EAR TRAINING AND SIGHT SINGING****1 hr**

To be taken in conjunction with Music 210. Laboratory and classroom instruction.

**MUSC 220 THEORY V: 20TH CENTURY STYLES****3 hrs**

Includes Impressionism, atonality, serialism and other contemporary concepts. *Prereq: MUSC 210.*

**MUSC 221 EAR TRAINING AND SIGHT SINGING****1 hr**

To be taken in conjunction with Music 220. Laboratory and classroom instruction.

**MUSC 260 BASIC CONDUCTING****2 hrs**

Baton techniques, score reading and 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. More advanced of work in choral arranging and orchestration will be included. *Prereq: MUSC 260.*

**MUSC 264 ADVANCED CONDUCTING AND ORCHESTRATION****2 hrs**

Advanced conducting techniques and score preparation. Choral and instrumental repertoires will be surveyed. 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 275 POPULAR MUSIC STYLES****2 hrs**

A history of ragtime, jazz and rock evolution. Consideration will be given to the influence of American social trends and technological innovations. *Prereq: INST 100, 105, or 110.*



**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. *Should be taken as a three-quarter sequence beginning in Autumn Quarter. Prereq: MUSC 170 or permission of instructor.*

**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 four 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. Required of music education majors.

**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. Required of music education majors.

**MUSC 310 PIANO PEDAGOGY**

**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 320 ACCOMPANYING**

**2 hrs**

Techniques of transposition and score reading. Includes a survey of chamber and song literature. Students will be assigned practical accompanying projects. May be repeated for credit. *Prereq: Permission of instructor.*

**MUSC 335 AMERICAN MUSIC**

**5 hrs (alt. yrs.)**

A survey of American music from the pilgrims to the present; how evolving American society determined an evolving 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 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 II****4 hrs**

A survey of the history of music during the Baroque and Classic eras. *Prereq: MUSC 340 or permission of instructor.*

**MUSC 360 MUSIC HISTORY III****4 hrs**

A survey of the history of music during the 19th and 20th 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, historic periods and styles. Practical keyboard and guitar proficiency. 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 proficiency. Teaching the non-performance music class. Requires 35 clock-hours of school participation.

**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****2 hrs**

Basic diction in French, German and Italian. Includes study of the International Phonetics Alphabet and its application to solo vocal literature in the three languages. *Prereq: MUSC 462 or 472.*

**MUSC 405 VOCAL PEDAGOGY AND LITERATURE****2 hrs**

An exploration of the vocal mechanism. Vocal literature and editions will be surveyed. The course is designed to provide the basic skills necessary to teach voice in the private studio. *Prereq: MUSC 462 or 472 and permission of instructor.*

**MUSC 420 MUSICAL THEATRE WORKSHOP****2 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 MUSICAL THEATRE PRACTICUM**

**2 hrs**

Preparation and public performance of a solo cabaret project. Required of senior musical theatre majors.

**MUSC 440 AMERICAN MUSICAL THEATRE**

**2 hrs**

A survey of musical theatre in America from the 18th century to the present.

**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 courses and survey the literature and methods of teaching music theory. May be repeated for credit. *Offered on demand.*

**MUSC 448 ADVANCED COMPOSITION**

**2 hrs**

Individual study; composition in 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 SMALL ENSEMBLE**

**0 credit Autumn, 1 hr each Winter & Spring**

Three hours rehearsal per week. Brass quintet, flute ensemble, piano duo, piano trio, saxophone quartet, string quartet, trombone choir, tuba ensemble, woodwind quintet and others. Sequence of three courses must be completed for a total of two hours credit. Credit will not count unless the sequence of three courses is completed.

**MUSC 451 OPERA THEATRE**

**1 hr**

Rehearsal hours vary. Course must be repeated for a total of three hours credit. Credit will not count unless a sequence of three courses is completed in a single school year. Open by audition.

**MUSC 452 OPUS ZERO/OPUS ONE**

**1 hr**

Three hours rehearsal per week. Course must be repeated for a total of three hours credit. Credit will not count unless a sequence of three courses is completed in a single school year. *Open by audition. Members must also be registered simultaneously for MUSC 454 or 455.*



**MUSC 453 BANDS****1 hr**

Four hours rehearsal per week. Courses may be repeated for up to three hours credit per year. Credit will not count unless a sequence of three courses is completed in a single school year.

**MUSC 453.10 CARDINAL MARCHING BAND** **1 hr Autumn**

**MUSC 453.20 CONCERT BAND** **1 hr each Winter and Spring**

**MUSC 453.22 WIND ENSEMBLE** **1 hr each Autumn, Winter and Spring**

*Open by audition. Members must also be registered simultaneously for MUSC 453.20 Concert Band.*

**MUSC 453.30 PEP BAND** **1 hr Winter**

**MUSC 454 MEN'S CHORUS/WOMEN'S CHORUS****1 hr**

Four hours rehearsal per week. Sequence of three courses must be completed for a total of two hours credit. Credit will not count unless the sequence of three courses is completed. *Open by audition.*

**MUSC 455 CONCERT CHOIR****1 hr**

Four hours rehearsal per week. Course must be repeated for a total of three hours credit. Credit will not count unless a sequence of three courses is completed in a single school year. *Open by audition.*

**MUSC 456 WESTERVILLE SYMPHONY****1 hr**

Four hours rehearsal per week. Course must be repeated for a total of three hours credit. Credit will not count unless a sequence of three courses is completed in a single school year. *Open by audition.*

**MUSC 457 JAZZ ENSEMBLE** **0 credit Autumn, 1 hr each Winter & Spring**

Three hours rehearsal per week. Sequence of three courses must be completed for a total of two hours credit. Credit will not count unless the sequence of three courses is completed in a single school year. *Open by audition.*

**MUSC 458 PERCUSSION ENSEMBLE****0 credit Autumn, 1 hr each Winter & Spring**

Three hours rehearsal per week. Sequence of three courses must be completed for a total of two hours credit. Credit will not count unless the sequence of three courses is completed in a single school year. *Open by audition.*

**MUSC 459 OTTERBEIN VOCAL ENSEMBLE****0 credit Autumn, 1 hr each Winter & Spring**

Two hours rehearsal per week. Sequence of three courses must be completed for a total of two hours credit. Credit will not count unless the sequence of three courses is completed in a single school year. *Open by audition. Members must also be registered simultaneously for MUSC 454 or 455.*



Courses numbered MUSC 460-467 carry two hours credit per term and must be repeated for a total of six hours credit. Credit will not count toward graduation unless the sequence of three courses is completed in a single school year. An audition may be required. Each course involves a full period lesson (50 minutes) per week.

**MUSC 460 APPLIED WOODWINDS**

**MUSC 461 APPLIED BRASS**

**MUSC 462 APPLIED VOICE**

**MUSC 463 APPLIED PIANO**

**MUSC 464 APPLIED GUITAR**

**MUSC 465 APPLIED STRINGS**

**MUSC 466 APPLIED PERCUSSION**

**MUSC 467 APPLIED ORGAN**

Courses numbered MUSC 470-477 carry one hour credit per term and must be repeated for a total of three hours credit. Credit will not count toward graduation unless the sequence of three courses is completed in a single school year. An audition may be required. Each course involves a half period lesson (25 minutes) per week.

**MUSC 470 APPLIED WOODWINDS**

**MUSC 471 APPLIED BRASS**

**MUSC 472 APPLIED VOICE**

**MUSC 473 APPLIED PIANO**

**MUSC 474 APPLIED GUITAR**

**MUSC 475 APPLIED STRINGS**

**MUSC 476 APPLIED PERCUSSION**

**MUSC 477 APPLIED ORGAN**

**MUSC 490 INTERNSHIP**

**1-15 hrs**

Available in music and business, musical theatre and other areas. *Prereq:* Permission of the chairperson.

**MUSC 493 MUSIC TEACHING PRACTICUM**

**0 credit**

The practicum meets once a week for 50 minutes. Music education students are introduced to large and small ensemble music teaching materials and teaching strategies for various levels. Required of all music education students not enrolled in the student teaching quarter. A total of 110 hours of clinical field experience can be earned through the successful completion of the music teaching practicum during eleven academic quarters. Ten hours of clinical field experience per quarter, no academic credit.



# NURSING

Strayer (chairperson) Burnam, Carlson, Cornett, Engle, Hodge, Jedlicka, Julian, McKelvey, Mikolaj, Pryor-McCann, Schaffner, Vogt.

## ***Mission and Programs\****

The Department of Nursing consists of 13 full-time faculty and approximately 10 or more part-time 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, an R.N. to M.S.N. track, a Master of Science in Nursing (M.S.N.) program and Post-Masters programs. The purpose of the B.S.N. program is to prepare a professional practitioner who applies the nursing process within a framework of caring to maximize the health potential of clients. The purpose of the R.N.-M.S.N. track is to provide curriculum opportunities that meet the needs of registered nurses who intend to pursue the M.S.N. as well as B.S.N. degrees.

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 sit for 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 sit for the national licensing examination in nursing. The fourth track, designed specifically for registered nurses, consists of an accelerated upper division curriculum leading to a Baccalaureate degree in nursing and advanced placement in 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 program offers a certificate in Adult Nurse Practitioner or Family Nurse Practitioner. 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 Master of Science in Nursing is designed to provide the baccalaureate nurse an opportunity to synthesize knowledge and develop skills to use as a basis for advanced nursing practice, teaching, management and research. The Post-Masters Adult and Family Nurse Practitioner programs at Otterbein provide the nurse an opportunity for advanced nursing practice in adult or family primary care.

\* National League for Nursing Accreditation Committee (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.



### Admission Requirements:

In order to progress or be admitted into nursing courses the following criteria must be met by all students:

1. You must be admitted to the college through by the Admissions Office (traditional students) or the Office of Continuing Studies (adult students).
2. A separate application process is required for enrollment in the nursing program. Applications for all the nursing programs are reviewed by the Professional Review Committee. Admission shall not be denied on the basis of gender, race, age, sexual preference, creed, national origin or handicap.
3. **You must have a minimum cumulative grade point average (GPA) of 2.5** on a 4.0 scale (all colleges combined). Grades earned over 10 years ago will not be used to calculate the GPA.
4. You must have completed the following courses at a C level or above (or obtained credit by validation exam) by the end of summer quarter of the year you plan to enter nursing:

• Chemistry 110	General Chemistry
• Integrative Studies 100, 105 or 110	Freshman English
• Integrative Studies 130	General Psychology
• Life Science 108	Anatomy and Physiology I
• Life Science 109	Anatomy and Physiology II
5. Prerequisite courses (see above) with a grade less than a C must be repeated. Earning less than a C on initial attempt of math, science, or nursing courses may negatively influence your admission status.
6. **R.N. to B.S.N. applicants:** Enter nursing courses in the summer. You must have completed the above prerequisites and also have completed Life Science 206 (Microbiology) and Psychology 210 (Growth and Development), and have current R.N. licensure in Ohio.
7. **L.P.N. to B.S.N. applicants:** Enter nursing courses in the fall. You must have completed the above prerequisites, show evidence of completion of a pharmacology course, and have current L.P.N. licensure in Ohio.
8. **R.N. to M.S.N.:** Special requirements for this track are described under Track IV: R.N. to M.S.N. on p. 172 in this catalog. 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.
9. **Additional Requirements:**

**Uniforms:** Students who are in the Bachelor of Science in Nursing (B.S.N.) Program must purchase uniforms and wear them in accordance with the uniform policy found in the *Department of Nursing Undergraduate Handbook*.



**CPR:** Students are required to complete the **American Heart Association CPR Basic Life Support Course for Health Care Providers (BLS-C)** before beginning a clinical course. Certification from the American Heart Association is valid for two years. Before expiration, a recertification course must be completed. Proof of certification must be filed in the Department of Nursing prior to entry to a clinical course. \*\*\*American Red Cross CPR classes are NOT accepted for this requirement.

**Health Requirements:** A medical history and physical examination are required prior to entering the program. Students must provide proof of up-to-date immunizations as specified by the **Student Health Center**. This includes an initial two-step Mantoux TB skin test with annual one-step Mantoux TB skin test updates (or chest x-ray every two years for converters) and the Hepatitis B vaccine series (or waiver). Students are not allowed to attend clinical until all health requirements are met and on file in the Nursing Department office and **Student Health Center**.

**Liability Insurance:** Prior to the first clinical nursing course, the student must present proof of student nurse liability insurance to the Nursing Department secretary. Forms are available in the Department of Nursing, Science 209, if needed.

**Health Insurance:** Adequate health insurance coverage is strongly recommended. Students are financially responsible for any testing or treatment needed following a course-related injury or illness.

**Health Problems Policy:** Students are responsible for informing faculty about health alterations which may affect safety and competency in the clinical setting. Students are required to submit a faculty specified doctor's/health professional's statement on appropriate letterhead regarding status of this health condition before participating in clinical experiences to her/his instructor.

Students are also responsible to inform clinical instructors about any conditions (i.e., pregnancy, skin not intact, immunocompromised condition), which may affect their clinical assignment to clients with serious communicable diseases.

**Fees/Expenses Policy:** The Nursing Department offers standardized tests in selected clinical nursing courses in the Bachelor of Science in Nursing Program. An examination fee for each standardized test and a clinical fee will be assessed the student at the time of enrollment in the designated clinical course. See *Otterbein College Course Catalog* and *Otterbein College Schedule of Classes* for tuition and fee schedule.

**Department of Nursing Handbook:** At the time that a student is ready to begin taking nursing courses the student must purchase the *Department of Nursing Undergraduate Handbook*. This handbook provides guidelines and policies specifically related to study in 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)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)
- ☐ Free Elective - 5 hrs

### *Requirements in the major (approximately 134 hrs or more or equivalent):*

#### Required Lower Division Nursing courses

- |   |   |
|---|---|
| <input type="checkbox"/> NURS 230 - 4 hrs | <input type="checkbox"/> NURS 270 - 7 hrs |
| <input type="checkbox"/> NURS 240 - 4 hrs | <input type="checkbox"/> NURS 280 - 7 hrs |
| <input type="checkbox"/> NURS 260 - 7 hrs |   |

#### Required Upper Division Nursing courses

- |  |   |
|--|---|
| <input type="checkbox"/> NURS 300 - 3 hrs*       | <input type="checkbox"/> NURS 440 - 3 hrs |
| <input type="checkbox"/> NURS 340 - 8 hrs        | <input type="checkbox"/> NURS 450 - 3 hrs |
| <input type="checkbox"/> NURS 360 - 8 hrs        | <input type="checkbox"/> NURS 460 - 8 hrs |
| <input type="checkbox"/> NURS 370 - 8 hrs        | <input type="checkbox"/> NURS 470 - 8 hrs |
| <input type="checkbox"/> NURS 390 or 499 - 2 hrs | <input type="checkbox"/> NURS 480 - 8 hrs |

#### Required Support courses

- |   |   |
|---|---|
| <input type="checkbox"/> CHEM 110 - 5 hrs | <input type="checkbox"/> L SC 206 - 5 hrs                   |
| <input type="checkbox"/> CHEM 220 - 6 hrs | <input type="checkbox"/> L SC 312 - 5 hrs                   |
| <input type="checkbox"/> C SC 100 - 3 hrs | <input type="checkbox"/> MATH 230 - 5 hrs (prerq: Math 115) |
| <input type="checkbox"/> L SC 108 - 5 hrs | <input type="checkbox"/> PSYC 210 - 5 hrs                   |
| <input type="checkbox"/> L SC 109 - 5 hrs | <input type="checkbox"/> SOCL 120 - 5 hrs                   |

\* Only Track II R.N. students are required to take NURS 300.

- Track II R.N. Students: Credit for selected lower division nursing courses and NURS 340, 360 and 370 may be established by validation examination which will be conferred upon completion of the program. Credit for selected upper division nursing courses may be established by proficiency examination if eligibility criteria are met. In addition, registered nursing students must also complete NURS 300. Credit for the required support courses may be earned by taking courses at Otterbein, by transfer and/or by examination.
- Track III L.P.N. students: Credit for selected lower division nursing courses may be established by validation examination which will be conferred upon completion of the program. 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: Selected graduate level courses may be approved by the department to fulfill some of the requirements in the undergraduate nursing major.

### *Required total hours for the degree:*

- ☐ At least 180, but more typically closer to 195 (also see exceptions/additional comments on p. 22)

### *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.



**Track I: Four-Year Curriculum**

Students enrolled in the Bachelor of Science in Nursing Program must meet all the requirements of the core curriculum and the major.

A minimum grade of C is required in all nursing courses as well as in Life Science 108, 109, 206 and 312; Chemistry 110 and 220, Integrative Studies 130 and Integrative Studies 100 or 105 or 110. If a grade lower than C is earned, these courses must be repeated in order to enroll in subsequent nursing courses. A cumulative grade point average of at least 2.0 is required to receive the Bachelor of Science in Nursing degree.

A student receiving two (2) grades of C- or lower in the original attempt in all nursing courses, Life Science 108, 109, 206 and 312; Chemistry 110 and 220 or any combination of these courses, will no longer be able to continue in the B.S.N. program. A student may attempt only one nursing course twice in the B.S.N. program. An attempt is defined as being enrolled in a course beyond the 25th class day. Receiving a grade of C- or lower or a W (Withdrawal) in the original attempt of any nursing course will constitute an attempt.

**Track II: R.N. Students**

Registered Nurse students in the Bachelor of Science in Nursing Program must meet all the requirements of the core curriculum and the major.

A minimum grade of C is required in all nursing courses, as well as in Life Science 108, 109, 206 and 312; Chemistry 110 and 220, Integrative Studies 130 and Integrative Studies 100 or 105 or 110. If a grade lower than C is earned, these courses must be repeated in order to enroll in subsequent nursing courses. A cumulative grade point average of at least 2.0 is required to receive the Bachelor of Science in Nursing degree.

A student receiving two (2) grades of C- or lower in the original attempt in all nursing courses, Life Science 108, 109, 206 and 312; Chemistry 110 and 220 or any combination of these courses, will no longer be able to continue in the B.S.N. program. A student may attempt only one nursing course twice in the B.S.N. program. An attempt is defined as being enrolled in a course beyond the 25th class day. Receiving a grade of C- or lower or a W (Withdrawal) in the original attempt of any nursing course will constitute an attempt.

**Track III: L.P.N. Students**

The L.P.N. students in the Bachelor of Science in Nursing Program must meet all the requirements of the core curriculum and the major.

A minimum grade of C is required in all nursing courses as well as in Life Science 108, 109, 206 and 312; Chemistry 110 and 220, Integrative Studies 130 and Integrative Studies 100, 105 or 110. If a grade lower than C is earned, these courses must be repeated in order to enroll in subsequent nursing courses. A cumulative grade point average of at least 2.0 is required to receive the Bachelor of Science in Nursing degree.

A student receiving two (2) grades of C- or lower in the original attempt in all nursing courses, Life Science 108, 109, 206 and 312; Chemistry 110 and 220 or any combination of these courses, will no longer be able to continue in the B.S.N. program. A student may attempt only one nursing course twice in the B.S.N. program. An attempt is defined as being enrolled in a course beyond the 25th class day. Receiving a grade of C- or lower or a W (Withdrawal) in the original attempt of any nursing course will constitute an attempt.



#### **Track IV: R.N. to M.S.N. Students**

The R.N. to M.S.N. track is an accelerated program designed for registered nurse graduates of accredited nursing programs who are committed to pursuing both Bachelor of Science in Nursing (B.S.N.) and Master of Science in Nursing (M.S.N.) degrees. The track accelerates the student through both programs by the use of graduate level courses to meet selected B.S.N. curriculum requirements.

The R.N. to M.S.N. candidate submits application materials to the Office of Continuing Studies. The candidate is fully admitted to the B.S.N. program, and conditionally admitted to the M.S.N. program. The student begins courses that focus on baccalaureate degree requirements. A current cumulative GPA of 3.0 must be maintained to remain in the R.N. to M.S.N. track. Four selected graduate courses applying to B.S.N. requirements must be completed prior to enrollment in additional graduate courses. Students must have a cumulative grade point average of at least 3.0 (B) to receive the Master of Science in Nursing degree. If a student receives a grade of C or lower in any required graduate course the course must be repeated. If a student receives a second C or lower in any required graduate course he/she is no longer allowed to progress in the 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 25th 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.

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. The B.S.N. degree must be received at least one quarter prior to receiving the M.S.N. degree. Candidates who do not meet criteria for progression into the M.S.N. program continues to completion of the B.S.N..

#### **Admission Requirements:**

Admission to the accelerated 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 will be selected on a space-available basis and must meet the following criteria:

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.
4. One year full-time or part-time equivalent nursing work experience required for adult health care and nursing service administration majors. Two years full-time or part-time equivalent nursing work required for nurse practitioner majors.
5. Evidence of capacity for graduate work as documented in two recommendations.
6. Congruence of the applicant's goal and desired graduate major with the objectives and resources of the Otterbein College Nursing Department as documented in an essay and current resume.\*
7. Satisfactory completion of the Graduate Record Examination (GRE) within the last five years, if undergraduate grade point average is less than 3.5 on a 4.0 scale. Applicants with an undergraduate GPA of 3.5 or above are not required to take the GRE.\*

\* These requirements must be met when applying for full admission into the M.S.N. program.



### Procedure for Admission to the B.S.N. Program and Conditional Admission to the M.S.N. Program.

1. Schedule an appointment with the Nursing Advisor in the Continuing Studies Office for program information and academic planning.
2. Complete the Otterbein College Application form.
3. Complete an R.N. to M.S.N. **Application for Admission** form and submit to the Continuing Studies Office. 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)
  - Chemistry 110 (General Chemistry)
  - Psychology 210 (Growth and Development)
  - Life Science 206 (Microbiology)
  - Lower level nursing courses
4. Submit a photocopy of your current Ohio R.N. license. (Write the word "photocopy" over it, not obscuring the name, license number, or expiration date, and sign the sheet of paper.)
5. Give a **Recommendation Form** to two individuals who can support your application to pursue advanced studies. At least one should be from an employer. It is highly recommended that this individual be a supervising nurse. (A recommendation from a current Otterbein student will not be considered.) If the applicant has been in school within the last five years, the other recommendation should be from a nursing professor.
6. Order official transcripts from all academic programs attended. (All schools, regardless of number of courses taken.)
7. Complete a professional resume.

### Progression to Full Admission into the M.S.N. Program:

1. Application to the M.S.N. Program.
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 coursework will no longer be able to continue in the M.S.N. Program.
5. Successful completion of four selected graduate courses (NURS 612, NURS 670, L SC 500 and a 3 hr elective that apply to B.S.N. requirements).
6. Congruence of goals as documented in a two to four page essay (typewritten) in which you describe your professional goals and aspirations, reflections and/or experiences that have shaped these goals, and why these goals and aspirations can be achieved in the Graduate Nursing Program at Otterbein College.
7. Successful completion of the GRE Examination (taken in the last five years) if required.
8. Full admission to the M.S.N. program is required before enrolling in any course except the courses specified in #5 above.



## **Program Outcome**

Graduates of the Bachelor of Science in Nursing (B.S.N.) program are prepared as generalists and can care for individuals of all ages, infants through the elderly, and groups such as families and communities. Graduates are employable in a variety of health care agencies including, but not limited to, 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 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.*

### **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.*

### **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, and admission to Nursing Program.*

### **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, sensory, gas transport/exchange, and rest/comfort processes of the body. *Prereq: Nursing 260. Concurrent or prereq: Nursing, 230.*



## **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 270, 230; *Concurrent or prereq:* PSYC 210; NURS 240.

## **NURS 290 TRANSITION TOPICS IN NURSING**

**1 hr**

Application of the nursing process with families at risk in all phases of childbearing. (For L.P.N.s who have received credit for nursing 280 through validation exam)

## **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 SC108, 109; CHEM 110; INST 100, 105 or 110; INST 130.

## **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; L SC. 206, CHEM 220.

## **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/managements to individuals experiencing psychological alterations. *Prereq:* 200 level nursing 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 childrearing family. *Prereq:* 200 level nursing courses; L SC 206; CHEM 220.



**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.*

**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 450 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 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 and NURS 470.*

**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 affects human dignity. Identification of the interrelationships of physiologic and psychosocial dimensions in clients with complex multisystem dysfunction. *Prereq: 300 level nursing courses and L SC 312.*

**NURS 480 NURSING LEADERSHIP IN HEALTH CARE DELIVERY SYSTEMS**

**8 hrs**

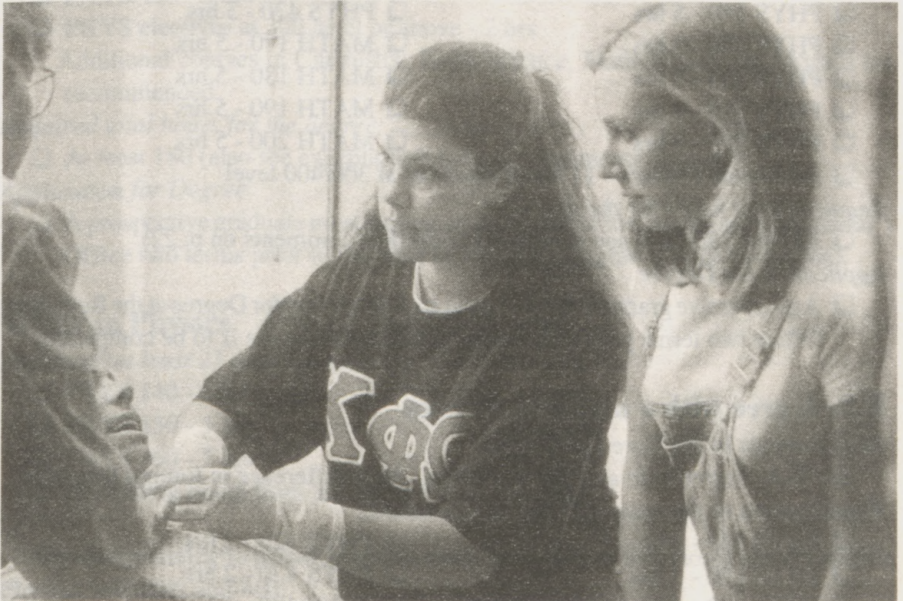
*Lecture and Clinical*

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.*



**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.*





# PHYSICS AND ASTRONOMY

Arnold (chairperson), Pettersen, Werwa.

## **Mission and Programs**

The Department of Physics and Astronomy consists of three full-time faculty members. Its mission is "to provide quality instruction in each of its three program areas in a manner consistent with the mission of the College." The three program areas are the Physics and Physical Science major programs, introductory Physics courses for science majors, and Integrative Studies courses in physical science and astronomy.

## **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. 14)
- ☐ Mathematics - fulfilled by completing the math required in the major
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (at least 65 total hrs)*

- |  |   |
|--|---|
| <input type="checkbox"/> PHYS 140 - 5 hrs  | <input type="checkbox"/> PHYS 320 - 2 hrs |
| <input type="checkbox"/> PHYS 150 - 5 hrs  | <input type="checkbox"/> PHYS 420 - 2 hrs |
| <input type="checkbox"/> PHYS 160 - 5 hrs  | <input type="checkbox"/> PHYS 430 - 3 hrs |
| <input type="checkbox"/> PHYS 300 - 3 hrs  | <input type="checkbox"/> MATH 170 - 5 hrs |
| <input type="checkbox"/> PHYS 305 - 3 hrs  | <input type="checkbox"/> MATH 180 - 5 hrs |
| <input type="checkbox"/> PHYS 310 - 3 hrs  | <input type="checkbox"/> MATH 190 - 5 hrs |
| <input type="checkbox"/> PHYS 315 - 3 hrs  | <input type="checkbox"/> MATH 200 - 5 hrs |
| <input type="checkbox"/> Additional Physics - 11 hrs of electives at 300/400 level |   |

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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):*

- |   |   |
|---|---|
| <input type="checkbox"/> PHYS 140 - 5 hrs   | <input type="checkbox"/> PHYS 320 - 2 hrs |
| <input type="checkbox"/> PHYS 150 - 5 hrs   | <input type="checkbox"/> PHYS 420 - 2 hrs |
| <input type="checkbox"/> PHYS 160 - 5 hrs   | <input type="checkbox"/> PHYS 430 - 3 hrs |
| <input type="checkbox"/> PHYS 300 - 3 hrs   | <input type="checkbox"/> MATH 170 - 5 hrs |
| <input type="checkbox"/> PHYS 305 - 3 hrs   | <input type="checkbox"/> MATH 180 - 5 hrs |
| <input type="checkbox"/> PHYS 310 - 3 hrs   | <input type="checkbox"/> MATH 190 - 5 hrs |
| <input type="checkbox"/> PHYS 315 - 3 hrs   | <input type="checkbox"/> MATH 200 - 5 hrs |
| <input type="checkbox"/> Additional Physics - 16 hrs of electives at 300/400 level    |   |
| <input type="checkbox"/> Additional Mathematics - 5 hrs of electives at 300/400 level |   |



*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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. 14)
- ☐ Mathematics - 15 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (60 total hrs or equivalent)*

- |   |   |
|---|---|
| <input type="checkbox"/> PHYS 140 - 5 hrs                             | <input type="checkbox"/> CHEM 140/141 - 4 hrs |
| <input type="checkbox"/> PHYS 150 - 5 hrs                             | <input type="checkbox"/> CHEM 150/151 - 4 hrs |
| <input type="checkbox"/> PHYS 160 - 5 hrs                             | <input type="checkbox"/> CHEM 160/161 - 4 hrs |
| <input type="checkbox"/> PHYS 320 - 2 hrs                             | <input type="checkbox"/> CHEM 240/241 - 4 hrs |
| <input type="checkbox"/> PHYS 330 or 340 - 3 hrs                      | <input type="checkbox"/> CHEM 250/251 - 4 hrs |
| <input type="checkbox"/> PHYS 350 - 4 hrs                             | <input type="checkbox"/> CHEM 260/261 - 4 hrs |
| <input type="checkbox"/> PHYS 420 - 2 hrs                             | <input type="checkbox"/> CHEM 280 - 5 hrs     |
| <input type="checkbox"/> PHYS 430 - 3 hrs                             |   |
| <input type="checkbox"/> PHYS electives at 300 level or above - 2 hrs |   |
- Additional courses in Chemistry, Earth Science, Mathematics and Physics are recommended.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 140 - 5 hrs
- ☐ PHYS 150 - 5 hrs
- ☐ PHYS 160 - 5 hrs
- ☐ Remaining hours from any other PHYS courses.

Students planning to pursue graduate study in physics or astronomy should include Physics 440, 450, and 460.

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.



### ***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 140 PRINCIPLES OF PHYSICS I***

**5 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 150 PRINCIPLES OF PHYSICS II***

**5 hrs**

*Lecture and laboratory*

A continuation of Physics 140: thermodynamics, wave phenomena and electrostatics. With laboratory. *Prereq: A C- or better in PHYS 140 or permission of the instructor. Coreq: MATH 180.*

#### ***PHYS 160 PRINCIPLES OF PHYSICS III***

**5 hrs**

*Lecture and laboratory*

A continuation of Physics 150: magnetism, optics, atomic and nuclear physics. With laboratory. *Prereq: A C- or better in PHYS 150 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 160. Coreq: MATH 200.*

#### ***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 160 and MATH 200.*

**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 160.*

**PHYS 330 OPTICS****3 hrs**

The study of the nature of light based upon the wave and quantum characteristics of electromagnetic radiation. *Prereq: PHYS 160.*

**PHYS 340 THERMAL PHYSICS****3 hrs**

The study of statistical mechanics, thermodynamics, and kinetic theory. *Prereq: PHYS 160.*

**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 160, 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 160, 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 ATOMIC PHYSICS****3 hrs**

The study of quantum physics, atomic structure and molecular structure. *Prereq: PHYS 160.*

**PHYS 440 SUBATOMIC PHYSICS II****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 460 QUANTUM MECHANICS**

**3 hrs**

An intermediate treatment of the Schrödinger equation, matrix mechanics, operator algebra, eigenfunctions and eigenvalues. *Prereq: PHYS 430 and MATH 350.*

**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.*



# PRE-LAW

*Halbert (adviser)*

The American Bar Association does not prescribe a specific set of courses that will prepare students for admission into law school. Admission to law school depends heavily on the Law School Admission Test (LSAT) score as well as the grade point average attained in college. Otterbein College has designed an interdisciplinary pre-law concentration that can be valuable to students interested in pursuing legal careers.

The interdisciplinary **Pre-Law concentration** is coordinated by the Department of History and Political Science. It is recommended that students interested in this concentration of study consult the Pre-Law adviser in this department as early as possible.

Students in pre-law are required to complete Judicial Process (P SC 225) and Constitutional Law and Civil Liberties (P SC 420), and one course in each of the remaining four areas of study. Students are reminded that prerequisites may be necessary for some courses.

The concentration in pre-law is designed to prepare students for the analytical and communication skills that are demanded in law schools and legal careers. The pre-law concentration exposes students to a wide range of skills that can prove valuable to a career in law and legal services. The concentration prepares students to understand the legal system and promotes advocacy skills that can have broader application in graduate studies, business management, and social service careers.

## Pre-Law concentration

*Required:*

- ☐ 2 courses in the legal system: P SC 225 and 420 - 10 hrs
- ☐ 1 course in advocacy skills from among COMM 330 and 360 - 5 hrs
- ☐ 1 course in skills related to the legal practice from among ACCT 200, COMM 100/180/335, ENGL 335, PHIL 120 and PSYC 225 - 5 hrs
- ☐ 1 course in law and culture from among HIST 260/290/350, P SC 310 and SOCL 210/300/310 - 5 hrs
- ☐ 1 course in the application of law from among BADM 240/350, ENST 101, MCOM 410, NURS 440, PHIL 130/440, P SC 410 and Independent Study XXX 390 (requires approval by pre-law adviser) - 2 to 5 hrs



# PSYCHOLOGY

*Kraft (chairperson), Acker, Bennett Murphy, Hatter, Rose.*

## **Mission and Programs**

The Department of Psychology consists of six full-time faculty members and several part-time faculty. The department's principal curricular goal is to provide a balanced education in the discipline of psychology, presenting a thorough grounding in the study of human thought, emotion and behavior and emphasizing applications of psychology to students and to society. The psychology program provides numerous opportunities for students to participate directly in research, in areas such as social psychology, 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. 14)
- ☐ Mathematics - 5 hrs for B.A. or 15 hrs for B.S. (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (50 hrs or equivalent):*

- ☐ PSYC 100 - 5 hrs
- ☐ PSYC 210 or 230 - 5 hrs
- ☐ Remaining hours from any other PSYC courses except 390, 440, and 490 with at least 15 at 300/400 level. PSYC hours must total at least 45.
- ☐ PSYC 260 - 5 hrs
- ☐ MATH 230 - 5 hrs

The following **optional** concentrations are available in the major:

### **1. Industrial/Organizational concentration**

- ☐ PSYC 100 - 5 hrs
- ☐ PSYC 220 - 5 hrs
- ☐ PSYC 225 - 5 hrs
- ☐ PSYC 230 - 5 hrs
- ☐ PSYC 240 - 5 hrs
- ☐ PSYC 260 - 5 hrs
- ☐ PSYC 350 - 5 hrs
- ☐ PSYC 360 - 5 hrs
- ☐ ECON 210 - 5 hrs
- ☐ MATH 230 - 5 hrs
- ☐ PSYC 380 or 410 - 5 hrs

### **2. School Psychology concentration**

- ☐ PSYC 100 - 5 hrs
- ☐ PSYC 210 - 5 hrs
- ☐ PSYC 220 - 5 hrs
- ☐ PSYC 230 - 5 hrs
- ☐ PSYC 240 - 5 hrs
- ☐ PSYC 260 - 5 hrs
- ☐ PSYC 310 - 5 hrs
- ☐ PSYC 330 - 5 hrs
- ☐ PSYC 350 - 5 hrs
- ☐ PSYC 360 - 5 hrs
- ☐ PSYC 380 - 5 hrs
- ☐ MATH 230 - 5 hrs
- ☐ MATH 231 - 5 hrs



*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 390, 440, and 490.

## **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 DEVELOPMENTAL PSYCHOLOGY**

**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**

A continuation of PSYC 210. 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 240 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 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 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 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 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 380 HUMAN STRESS: ITS NATURE AND CONTROL****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 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 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 DEPARTMENTAL SEMINAR**

**1-5 hrs**

Small group discussion of advanced or specialized topics, with a special focus on psychology as a profession. *Prereq: Permission of instructor.*

**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

Laughlin (chairperson), Jackson, Mills, Zimmerman.

## ***Mission and Programs***

The Department of Religion and Philosophy is composed of four full-time faculty and three part-time faculty members. The department's mission is "to uphold the college's historic and continuing commitment to liberal arts education by (1) introducing students to the academic study of religion and philosophy; (2) acquainting students with the fundamental texts, basic tenets, historical development, cultural contexts, and diversity of beliefs and practices of the key figures and movements of Western and non-Western religious and philosophical traditions; (3) helping students learn about, and become more appreciative of and tolerant toward, the rich diversity of religious and philosophical perspectives in the world; (4) enabling students to understand religious and philosophical viewpoints as bases upon which to make sound value judgments relating to personal, social and global matters; and (5) assisting students majoring or minoring in religion and philosophy toward a deeper and more consistent experience of the four purposes expressed above."

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 and an upper-division INST course in Non-Western religions.

## **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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ 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
- ☐ a total of at least 45 hrs of RELG with at least 15 hrs at 300/400 level

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

### *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.

## 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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (at least 40 total hrs):*

- ☐ PHIL 270 - 5 hrs
- ☐ PHIL 300 - 5 hrs
- ☐ PHIL 310 - 5 hrs
- ☐ PHIL 320 - 5 hrs
- ☐ PHIL 400 - 5 hrs
- ☐ a total of at least 40 hrs of PHIL with no more than 2 courses at 100 level

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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
- ☐ PHIL 320 - 5 hrs
- ☐ Remaining hours from among any other PHIL courses.

## 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

A critical 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 (Amerind) 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 communities of faith that describe the earthly life of Jesus. This course seeks to identify the raw materials that the Gospel writers use 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.

**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 prehistoric.

**RELG 290 NATIVE AMERICAN RELIGIONS 5 hrs**

A survey of the religious concepts, spiritual practices, worship patterns, and mythologies of native American peoples. The primary focus will be on the religions of North American Indians, but attention will also be given to Inuit and Mesoamerican religions.

**RELG 300 CONTEMPORARY RELIGIOUS THOUGHT 5 hrs**

A study of contemporary religious thinkers whose writings are influencing present-day religious thought. 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 non-Christian religious and philosophical traditions of the East, Buddhism, with special attention to its meditative Japanese sect, Zen. Attention is given to origins, tenets, cultural contexts and popular expressions of both religions, as well as to historical and formal connections to other non-Western 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 will be examined, with special attention to the role that this faith has played in Africa as well as among 20th century African-Americans.

**RELG 360 GENDER AND SEX IN THE WORLD'S MYTHOLOGY**

**5 hrs**

Mythology introduces us to new ways of looking at social structures, so that we can examine constants and variables in the organization of human society. 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.

**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**

**1-5 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.

*\*Indicates courses offered upon sufficient demand*



## **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 LATE MODERN PHILOSOPHY** 5 hrs/5 hrs

An examination of European philosophy, from the development of German Idealism in the late 18th and early 19th centuries to the emergence of multiple "Post-Modern" philosophies in the late 20th century. The "stages" of philosophical theories to be described are: German Idealism, Negative Reactions to German Idealism, Phenomenology, Existentialism, Critical Theory, Hermeneutics, Structuralism, and Deconstruction. (Philosophy Majors and Minors *must* take PHIL 320.)

**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. (Philosophy Majors and Minors *must* take PHIL 270.)

**PHIL 290 SOCIAL AND POLITICAL PHILOSOPHY** 5 hrs

An examination of some of the central issues, problems, and theories in Social Philosophy and Political Philosophy. For Political Philosophy, the following issues will be discussed: the purpose of the State, the proper relation between the individual and the State, the nature of political justice, the nature of political equality, the purpose of punishment. For Social Philosophy, the following issues will be discussed: the relation between the State and society, the relation between the individual and society, the nature of social justice, and whether it differs from political justice, the nature of social equality and whether it differs from political equality.

**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) to focus on a single philosophical issue or a single philosophical text in seminar format. Permission of instructor is required.



# PHIL 440 ETHICAL ISSUES IN MEDICINE, BIOLOGY, AND ENVIRONMENTAL SCIENCE

5 hrs

An examination of a variety of ethical issues that have emerged as a result of technological advances in the 20th century. These issues will be divided into four (somewhat arbitrary and overlapping) categories: Medical Ethics (issues concerning life support technology, the termination of life, human experimentation, informed consent, and rationing of expensive medical treatment); Bio-Ethics (issues concerning Recombinant DNA research and Reproductive Technologies); Ethics and Animals (issues concerning animal experimentation, animal rights, treatment of pets, and vegetarianism); Environmental Ethics (issues concerning pollution, world population, food scarcity, endangered species, wilderness areas, and obligations to future generations). *Philosophy 440 is suggested for the Environmental Studies minor and is recommended for pre-med and nursing students.*

*\*Indicates courses offered upon sufficient demand*



*R.O.T.C.***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 Capital University Army ROTC at 614-236-7114. Once enrolled, students must annually come to the Otterbein Registrar's Office and add the appropriate courses shown below to their schedules. For ROTC scholarships, refer to the financial aid section of this catalog.

***Air Force Aerospace Studies Courses (AIRS)*****AIRS 101 FOUNDATION OF OFFICERSHIP AND AIR FORCE CUSTOMS AND COURTESIES** 1 hr

Introduction to the Air Force including officership, followership, military customs and courtesies, and communication skills.

**AIRS 102 AIR FORCE ORGANIZATION AND ENVIRONMENT** 1 hr

Introduction to the Air Force that explores the organization and environment in the Air Force. *Prereq:* AIRS 101.

**AIRS 103 AIR FORCE OPPORTUNITIES, BENEFITS AND OFFICER TRAITS** 1 hr

The focus of this course will be on opportunities and benefits in the Air Force. The course also explores officer traits including communication skills. *Prereq:* AIRS 102.

**AIRS 201 DEVELOPMENT OF U.S. AIR POWER** 1 hr

Survey study of U.S. air power from its inception through World War II, including issues of leadership, technological advances, and air power theory. *Prereq:* AIRS 103.

**AIRS 202 AIR POWER FROM 1940s to 1970s** 1 hr

The role of U.S. air power from 1947 through the initial Cold War years and the Vietnam War. *Prereq:* AIRS 201.



**AIRS 203 AIR POWER FROM 1970s THROUGH 2025****1 hr**

The role of air power during the post-Vietnam era through 2025 with emphasis on regional conflict and growing technological sophistication. *Prereq: AIRS 202.*

**AIRS 301 AIR FORCE LEADERSHIP AND MANAGEMENT****3 hrs**

This course studies a variety of subjects relating to the roles and responsibilities of Air Force officers. Topics include leadership, management, training philosophy, conflict management, problem solving, various topics about leadership (principles, styles and responsibilities), and oral communications. *Prereq: Completion AFROTC field training or permission of instructor.*

**AIRS 302 LEADERSHIP CONCEPTS AND QUALITY AIR FORCE****3 hrs**

This course studies various concepts of leadership to include counseling, motivation, delegation, supervision, empowerment, mentoring and officership. This course also studies quality Air Force philosophy and the different concepts, techniques and tools of quality management to include improvement, process action teams and measurement tools. *Prereq: AIRS 301 or permission of instructor.*

**AIRS 303 OFFICER DEVELOPMENT AND COMMUNICATION TECHNIQUES****3 hrs**

This course studies overall officer development to include the officer and enlisted evaluation systems. Air Force personnel system, ethics, advanced military topics and written communications. Particular attention is paid to the supervision of enlisted personnel; feedback, assessment, and enlisted evaluation reports. *Prereq: AIRS 302 or permission of instructor.*

**AIRS 401 NATIONAL SECURITY AND THE STRATEGY-MAKING PROCESS****3 hrs**

This course studies the roles of the Executive branch, Congress and military in the National Security process. The course also explores 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**

An investigation into the other military services and joint military operations. The course progresses into 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 INTRODUCTION TO THE MILITARY ESTABLISHMENT 3 hrs**  
This course is a comprehensive study of the organization, mission and role of the U.S. Army. The course further focuses upon the military skills requisite for the future commissioned officer.

**MILS 112 MILITARY TRAINING 3 hrs**  
This course builds upon the Introduction to the Military Establishment. It moves from the doctrinal aspects of the military art to the hands-on soldier skills that the future officer must master prior to the Advanced Course of the Army ROTC program.

**MILS 211 NATIONAL SECURITY POLICY 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 U.S. national security policies and the establishment of today's world order. Other topics include an overview of military leadership and the principles of leadership.

**MILS 212 AMERICAN MILITARY HISTORY 4.5 hrs**  
This course is a survey of U.S. 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.

**MILS 311 MILITARY LEADERSHIP/CAMP PREPARATION 4.5 hrs**  
This course is a comprehensive study of the principles of leadership, military tactics, drill and ceremonies, land navigation and physical fitness.

**MILS 312 MILITARY TACTICS AND SPECIAL OPERATIONS 4.5 hrs**  
This course is the second of two courses designed to prepare you for the challenges of Advanced Camp. It provides comprehensive instruction in small unit tactics to include terrain analysis, camouflage, operations orders, movement techniques, patrolling and preparation for combat. The course requires a rigorous physical training program.

**MILS 411 MILITARY OPERATIONS, MANAGEMENT AND LOGISTICS 4.5 hrs**  
The study of Army organizations and operations to include managerial aspects of command and staff. Emphasis is on the conduct of effective training, communication skills, resource management and the transition from cadet to officer.

**MILS 412 ADMINISTRATION, MILITARY JUSTICE AND PROFESSIONAL ETHICS 4.5 hrs**  
Study of personnel administrative management and military justice. Additional emphasis on the development of professional ethics for the military officer, with emphasis on the transition from cadet to officer.



# SOCIOLOGY

*Bauer (chairperson), Kern, Sebo.*

## **Mission and Programs**

The Department of Sociology currently consists of three full-time faculty, and several part-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, of society and the many perspectives found in it and is committed to assuring that graduates are well prepared and able to pursue the professional, occupational, personal and community goals they choose. The department is also committed to increasing diversity on campus.

The department sponsors a major and a minor in Sociology, coordinates the interdisciplinary minors Black Studies and Women's Studies, and is involved in the Environmental Studies interdisciplinary minor and the interdisciplinary major International Studies. The department also provides courses for Nursing and courses for the Teacher Education program, and faculty teach in the Integrative Studies program.

The Sociology Department serves its majors, minors and a very large portion of all Otterbein College students. Through the required and the elective courses listed below, students can expect to learn about major **societal 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, important social movements and courses focusing on gender, race, class and ethnicity are also available to enhance the students' **critical thinking skills**.

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 non-profit 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 research projects in depth and in work that involves increasing responsibility.

## **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. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)



*Requirements in the major (50 hrs or equivalent):*

- |   |  |
|---|--|
| <input type="checkbox"/> SOCL 120 - 5 hrs   | <input type="checkbox"/> SOCL 330 - 5 hrs. |
| <input type="checkbox"/> SOCL 320 - 5 hrs   | <input type="checkbox"/> MATH 230 - 5 hrs  |
| <input type="checkbox"/> Remaining hours from any other SOCL courses with at least 15 at 300/400 level. |  |
- SOCL hours must total at least 45.

The following **optional** concentrations are available in the major:

1. Criminology (at least 3 courses required)

- |   |   |
|---|---|
| <input type="checkbox"/> SOCL 210 - 5 hrs | <input type="checkbox"/> SOCL 300 - 5 hrs |
| <input type="checkbox"/> SOCL 250 - 5 hrs | <input type="checkbox"/> SOCL 310 - 5 hrs |
| <input type="checkbox"/> SOCL 290 - 5 hrs | <input type="checkbox"/> SOCL 340 - 5 hrs |
|   | <input type="checkbox"/> SOCL 350 - 5 hrs |

2. Family Sociology (at least 3 courses required)

- |   |   |
|---|---|
| <input type="checkbox"/> SOCL 210 - 5 hrs | <input type="checkbox"/> SOCL 250 - 5 hrs |
| <input type="checkbox"/> SOCL 230 - 5 hrs | <input type="checkbox"/> SOCL 300 - 5 hrs |
|   | <input type="checkbox"/> SOCL 340 - 5 hrs |

3. Urban Sociology (at least 3 courses required)

- |   |   |
|---|---|
| <input type="checkbox"/> SOCL 110 - 5 hrs | <input type="checkbox"/> SOCL 290 - 5 hrs |
| <input type="checkbox"/> SOCL 210 - 5 hrs | <input type="checkbox"/> SOCL 300 - 5 hrs |
|   | <input type="checkbox"/> SOCL 310 - 5 hrs |

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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 25 total hrs):*

- ☐ SOCL 120 - 5 hrs
- ☐ Remaining hours from any other SOCL courses.

For a description of the **Black Studies minor**, refer to p. 42 in this section of the catalog.

For a description of the **Women's Studies minor**, refer to p. 218 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 can enhance their theoretical and practical preparation by understanding the society in which they live and work.



**Black Studies** is an interdisciplinary minor housed in the Sociology Department. It includes courses in Art, Economics, Education, English, History, Music, and Sociology. Students in the Black Studies program acquire knowledge and understanding about the societies and cultures of the African diaspora, with a focus on the African-American experience and the societies of the Caribbean. Participating in this minor leads to knowledge and appreciation of the cultural heritage and contributions of peoples of African descent. The program leads to intergroup interaction skills and a critical understanding about issues facing contemporary diverse societies.

**Women's Studies** is an interdisciplinary minor housed in the Sociology Department which offers courses in Art History, Communication, Education, English, Health Education, History, Music, Nursing, Psychology, Religion, and Sociology. Participating in this minor may qualify students for graduate work in Women's Studies and related areas. This program contributes to the qualification of students for positions in agencies which focus on issues and experiences affecting women and families.

### ***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, 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 160 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 190 WAYS WOMEN PERCEIVE AND ARE PERCEIVED***

**5 hrs**

Roles and history of women examined and discussed through a series of interdisciplinary lectures, readings, field trips, guest speakers, and films. The sociological and psychological study of ways in which women are perceived and perceive their lives and life choices will allow students to examine their own societal and cultural expectations. Readings will include novels, historical accounts and studies in psychological and sociological research and theory.



**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, institutional 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 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: Sophomore standing or permission of the instructor.*

**SOCL 250 SOCIOLOGY OF THE FAMILY**

**5 hrs**

Study of the family institution with emphasis on the diversity of contemporary family structures, the links between families and work, and changing family composition and gender patterns. *Prior completion of SOCL 120 is recommended.*

**SOCL 270 SOCIOLOGY OF GENDER**

**5 hrs**

A study of the social and cultural norms governing relations between men and women. Forms of sexism in a variety of cultural and social groups. Unequal consequences of genderized social expectations. The course will explore changing roles of men and women in politics, religion, occupations, and family life. *Prereq: SOCL 120.*

**SOCL 290 SOCIAL LIFE OF ORGANIZATIONS**

**5 hrs**

Study of complex organizations with a focus on the impact of hierarchy, technological change and giant bureaucracies. Study of organizational balance and power issues. Study of organizational relationships between formal organizations and their political, social, legal and economic environments. Problems of corporate and white collar crime, labor and management relations, individuals in organizations. Field trips. *Prereq: Sophomore standing 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 penal systems. *Prereq: SOCL 120. Prior completion of SOCL 210 is recommended.*



**SOCL 320 SOCIOLOGICAL THEORY****5 hrs**

A study of 19th and 20th century sociological theories and their philosophical roots. Critical review of several major perspectives. Opportunity for students to perform comparative analysis and application of selected concepts including feminist theoretical approaches. *Prereq: SOCL 120. Open to juniors and seniors. Prior completion of PHIL 210 and/or 220 is recommended.*

**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 340 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: Junior standing or permission of the instructor.*

**SOCL 350 COLLECTIVE BEHAVIOR AND SOCIAL MOVEMENTS-  
RECENT TRENDS****5 hrs**

Analysis and discussion of social behaviors ranging from the usual and the unscheduled to the revolutionary. Global comparison of patterns in 1) social movements such as by racial and ethnic groups, farm workers, women, students, consumers; and 2) volatile forms of behavior such as terrorism, collective violence, response to natural disasters, strikes, fads, sit-ins, crowd formation, and mass behavior. *Prereq: Junior standing or permission of instructor.*

**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 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.*



## **B.F.A. degree with a major in Acting**

### *Requirements in the Core Curriculum:*

- ☐ Integrative Studies - 50 hrs (specifics on p. 13)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - THR 490, a course required in the major, satisfies this requirement

### *Requirements in the major (108 hrs or equivalent):*

- |  |   |
|--|---|
| <input type="checkbox"/> THR 100 - 3 hrs   | <input type="checkbox"/> THR 320 - 5 hrs                  |
| <input type="checkbox"/> THR 101 - 3 hrs   | <input type="checkbox"/> THR 370 - 3 hrs                  |
| <input type="checkbox"/> THR 150 - 3 hrs   | <input type="checkbox"/> THR 401 - 2 hrs                  |
| <input type="checkbox"/> THR 151 - 3 hrs   | <input type="checkbox"/> THR 430 - 4 hrs                  |
| <input type="checkbox"/> THR 160 - 2 hrs   | <input type="checkbox"/> THR 440 - 4 hrs                  |
| <input type="checkbox"/> THR 201 - 3 hrs   | <input type="checkbox"/> THR 445 - 4 hrs                  |
| <input type="checkbox"/> THR 215 - 2 hrs   | <input type="checkbox"/> THR 490 - 15 hrs                 |
| <input type="checkbox"/> THR 251 - 5 hrs   | <input type="checkbox"/> DANC 110 - 2 hrs                 |
| <input type="checkbox"/> THR 252 - 5 hrs   | <input type="checkbox"/> DANC 130 - 2 hrs                 |
| <input type="checkbox"/> THR 253 - 5 hrs   | <input type="checkbox"/> DANC 140 - 2 hrs                 |
| <input type="checkbox"/> THR 261 - 4 hrs   | <input type="checkbox"/> DANC 150 - 2 hrs                 |
| <input type="checkbox"/> THR 262 - 4 hrs   | <input type="checkbox"/> DANC 160 - 2 hrs                 |
| <input type="checkbox"/> THR 263 - 4 hrs   | <input type="checkbox"/> DANC 210 - 2 hrs                 |
| <input type="checkbox"/> THR 301 - 3 hrs   | <input type="checkbox"/> MUSC 120, 462 and/or 472 - 6 hrs |
| <input type="checkbox"/> Remaining hours from among any other THR courses. THR hours must total at least 90. |   |

### *Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

### *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 must successfully complete a minimum of 90 quarter hours in 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)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - THR 490, a course required in the major, satisfies this requirement



*Requirements in the major (109 hrs or equivalent):*

- |  |   |
|--|---|
| <input type="checkbox"/> THR 100 - 3 hrs   | <input type="checkbox"/> THR 253 - 5 hrs                      |
| <input type="checkbox"/> THR 101 - 3 hrs   | <input type="checkbox"/> THR 301 - 3 hrs                      |
| <input type="checkbox"/> THR 111 - 4 hrs   | <input type="checkbox"/> THR 320 - 5 hrs                      |
| <input type="checkbox"/> THR 112 - 4 hrs   | <input type="checkbox"/> THR 326 - 3 hrs                      |
| <input type="checkbox"/> THR 113 - 4 hrs   | <input type="checkbox"/> THR 330/340/345 (take any 2) - 8 hrs |
| <input type="checkbox"/> THR 150 - 3 hrs   | <input type="checkbox"/> THR 350 - 4 hrs                      |
| <input type="checkbox"/> THR 151 - 3 hrs   | <input type="checkbox"/> THR 401 - 2 hrs                      |
| <input type="checkbox"/> THR 160 - 2 hrs   | <input type="checkbox"/> THR 490 - 15 hrs                     |
| <input type="checkbox"/> THR 201 - 3 hrs   | <input type="checkbox"/> ART 110 - 5 hrs                      |
| <input type="checkbox"/> THR 225 - 4 hrs   | <input type="checkbox"/> ART 150 - 5 hrs                      |
| <input type="checkbox"/> THR 251 - 5 hrs   | <input type="checkbox"/> ART 240 - 5 hrs                      |
| <input type="checkbox"/> THR 252 - 5 hrs   | <input type="checkbox"/> ART 325 - 4 hrs                      |
| <input type="checkbox"/> Remaining hours from among any other THR courses. THR hours must total at least 90. |   |

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

*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)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

*Requirements in the major (127 hrs or equivalent):*

Required Studies in Musical Theatre including acting and voice (at least 59 hrs)

- |  |  |
|--|--|
| <input type="checkbox"/> THR 150 - 3 hrs | <input type="checkbox"/> THR 401 - 2 hrs                         |
| <input type="checkbox"/> THR 151 - 3 hrs | <input type="checkbox"/> THR 430 - 4 hrs                         |
| <input type="checkbox"/> THR 201 - 3 hrs | <input type="checkbox"/> THR 440 - 4 hrs                         |
| <input type="checkbox"/> THR 261 - 4 hrs | <input type="checkbox"/> MUSC 420 - 2 hrs                        |
| <input type="checkbox"/> THR 262 - 4 hrs | <input type="checkbox"/> MUSC 421 - 2 hrs                        |
| <input type="checkbox"/> THR 263 - 4 hrs | <input type="checkbox"/> MUSC 451/452/454/455 (take any) - 6 hrs |
| <input type="checkbox"/> THR 301 - 3 hrs | <input type="checkbox"/> MUSC 462 and/or 472 - 15 hrs            |



**Required Studies in Dance and Movement (at least 18 hrs)**

- ☐ DANC 110 - 2 hrs
- ☐ DANC 130/140/150/160/280/380 (take any but at least one class in each of ballet, jazz, modern and tap) - 14 hrs
- ☐ DANC 210 - 2 hrs

**Required Support Courses in Music and Theatre (at least 50 hrs)**

- ☐ MUSC 100 - 2 hrs
- ☐ MUSC 101 - 1 hr
- ☐ MUSC 110 - 2 hrs
- ☐ MUSC 111 - 1 hr
- ☐ MUSC 130 or 473 - 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

- ☐ at least 8 to 10 hrs of history/theory courses selected from among DANC 120/220, MUSC 160/161/170/171/240 and THR 251/252/253
- ☐ at least 14 to 16 hrs of electives from among DANC 280/320/420/480, MUSC 200/201/210/211/220/221/230/250/275/276/280/400/405/490 and THR 161/225/280/285/300/310/370/380/445/490

**Required total hours for the degree:**

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

**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)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

**Requirements in the major (127 hrs or equivalent):**

- Required Studies in Musical Theatre including acting and voice (at least 50 hrs)
- ☐ THR 150 - 3 hrs
  - ☐ THR 151 - 3 hrs
  - ☐ THR 201 - 3 hrs
  - ☐ THR 261 - 4 hrs
  - ☐ THR 262 - 4 hrs
  - ☐ THR 263 - 4 hrs
  - ☐ THR 301 - 3 hrs
  - ☐ THR 401 - 2 hrs
  - ☐ THR 430 - 4 hrs
  - ☐ THR 440 - 4 hrs
  - ☐ MUSC 420 - 2 hrs
  - ☐ MUSC 421 - 2 hrs
  - ☐ MUSC 451/452/454/455 (take any) - 3 hrs
  - ☐ MUSC 462 and/or 472 - 9 hrs



**Required Studies in Dance and Movement (at least 45 hrs)**

- |   |  |
|---|--|
| <input type="checkbox"/> DANC 110 - 2 hrs | <input type="checkbox"/> DANC 360 - 2 hrs                    |
| <input type="checkbox"/> DANC 160 - 2 hrs | <input type="checkbox"/> DANC 280 and/or 380 - 21 hrs        |
| <input type="checkbox"/> DANC 260 - 2 hrs | <input type="checkbox"/> DANC 120/220/420 (take any) - 3 hrs |
| <input type="checkbox"/> DANC 320 - 3 hrs | <input type="checkbox"/> DANC 480 - 10 hrs                   |

**Required Support Courses in Music and Theatre (at least 32 hrs)**

- |  |   |
|--|---|
| <input type="checkbox"/> MUSC 100 - 2 hrs        | <input type="checkbox"/> THR 100 - 3 hrs                    |
| <input type="checkbox"/> MUSC 101 - 1 hr         | <input type="checkbox"/> THR 101 - 3 hrs                    |
| <input type="checkbox"/> MUSC 110 - 2 hrs        | <input type="checkbox"/> THR 160 - 2 hrs                    |
| <input type="checkbox"/> MUSC 111 - 1 hr         | <input type="checkbox"/> THR 251 - 5 hrs                    |
| <input type="checkbox"/> MUSC 130 or 473 - 3 hrs | <input type="checkbox"/> additional DANC/MUSC/THR electives |
| <input type="checkbox"/> MUSC 440 - 2 hrs        | - 8 hrs   |

**Required total hours for the degree:**

- ☐ At least 180 (also see exceptions/additional comments on p. 22)

**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. 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 45 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)
- ☐ Foreign Language - 10 hrs (specifics on p. 14)
- ☐ Mathematics - 5 hrs (specifics on p. 15)
- ☐ Physical Education - 3 hrs (specifics on p. 15)
- ☐ Senior Year Experience - hrs depend upon course selected (specifics on p. 16)

**Requirements in the major (at least 45 total hrs):**

- |  |  |
|--|--|
| <input type="checkbox"/> THR 100 - 3 hrs | <input type="checkbox"/> THR 251 - 5 hrs |
| <input type="checkbox"/> THR 101 - 3 hrs | <input type="checkbox"/> THR 252 - 5 hrs |
| <input type="checkbox"/> THR 150 - 3 hrs | <input type="checkbox"/> THR 253 - 3 hrs |
| <input type="checkbox"/> THR 151 - 3 hrs | <input type="checkbox"/> THR 301 - 3 hrs |
| <input type="checkbox"/> THR 160 - 2 hrs | <input type="checkbox"/> THR 320 - 5 hrs |
| <input type="checkbox"/> THR 201 - 3 hrs | <input type="checkbox"/> THR 401 - 2 hrs |
| <input type="checkbox"/> THR 215 - 2 hrs |  |



- ☐ Remaining hours from among any other THR courses to reach at least 45 total with a minimum of 15 at 300/400 level.

*Required total hours for the degree:*

- ☐ At least 180 (also see exceptions/additional comments p. 22)

*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 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, and jazz. Students without intermediate proficiency in one of these techniques may achieve it by enrolling in the appropriate beginning level class, but (except for tap) no beginning level class can be counted towards the Minor. Participation in Dance Company and the annual dance concert is assumed. Students must complete 27 hours of Dance classes.

## **Minor in Dance**

*Required (all of these courses):*

Theory

- ☐ DANC 120 - 2 hrs

- ☐ DANC 320 - 3 hrs

- ☐ DANC 220 - 2 hrs

- ☐ DANC 420 - 3 hrs

Technique

- ☐ DANC 160 - 2 hrs

- ☐ DANC 280 and/or 380 - 10 hrs

- ☐ DANC 260 or 360 - 2 hrs

Performance

- ☐ DANC 480 - 5 hrs

## **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 lighting 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 costume 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 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 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 251 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 252 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 253 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 261 ACTING AND VOICE I** 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. *Prereq: THR 151 and B.F.A. standing.*

**THR 262 ACTING AND VOICE II** 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 AND VOICE III** 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 280 ARTS MANAGEMENT** 3 hrs (alt. yrs.)

Theory and practical experience in philosophy, objectives and techniques of arts management for theatre, music, visual arts and dance. *Open to non-majors.*

**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 151.*

**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 113, ART 110 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.

**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 113, ART 110. 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 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.*

**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 390.10 ADVANCED DESIGN**

**THR 390.20 ADVANCED PERFORMANCE**

**THR 390.30 ADVANCED TECHNICAL THEATRE**

**THR 390.40 SPECIAL TOPICS**

**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 MODELING AND ANIMATION** **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. Acting and Design/Technology majors, subject to departmental approval. *Open to senior B.F.A. Musical Theatre majors and 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 110 MOVEMENT IN THEATRE**

**2 hrs**

Introduction to the fundamentals of movement for the actor using all physical elements which are important to the creation of a character. *Theatre and Musical Theatre majors only.*

**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.

**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 four 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 12 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.

**DANC 360 TAP III**

**2 hrs**

Tap at an intermediate/advanced level. *May be repeated for a maximum of four credits. Prereq: DANC 260 and permission of the instructor.*

**DANC 380 ADVANCED DANCE**

**3 hrs**

Ballet, modern, and jazz technique at an advanced level. *May be repeated for a maximum of 36 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.*

**DANC 480 DANCE PERFORMANCE/COMPANY**

**0-2 hrs**

An advanced company class in the jazz/modern idiom. Outside rehearsal time to be announced. Experiences related to formal concert performance and choreography. *May be repeated for a total of 16 hours credit. Admission by audition only.*





# WOMEN'S STUDIES

*Bauer (coordinator)*

The **Women's Studies** interdisciplinary **minor** is coordinated by the Sociology department and is designed for both female and male students who are interested in diversifying their undergraduate studies to include an appreciation of women in American society and globally. Courses elected for this minor examine the role of gender as a concept and as it is applied in societal, racial, and cultural contexts. Examining new scholarship by and about women helps strengthen self-images and critical thinking skills for participating students.

## Minor in Women's Studies

*Required (at least 25 total hrs):*

<input type="checkbox"/> ART 260	5 hrs	Women Artists in History
<input type="checkbox"/> COMM 180	5 hrs	Interpersonal Communication
<input type="checkbox"/> EDUC 360	2 hrs	Multicultural Education
<input type="checkbox"/> ENGL 231	5 hrs	Women Writers
<input type="checkbox"/> ENGL 232	5 hrs	Literature From Diverse Cultures
<input type="checkbox"/> HIST 290	5 hrs	American Women: A History
<input type="checkbox"/> HLED 320	3 hrs	Human Sexuality
<input type="checkbox"/> MUSC 338	5 hrs	Women in Music
<input type="checkbox"/> PSYC 220	5 hrs	Psychology of Personality
<input type="checkbox"/> RELG 270	5 hrs	Women and Religion
<input type="checkbox"/> RELG 360	5 hrs	Gender and Sex in the World's Mythology
<input type="checkbox"/> SOCL 190	5 hrs	Ways Women Perceive and Are Perceived
<input type="checkbox"/> SOCL 230	5 hrs	Feminist Perspectives in Social Psychology
<input type="checkbox"/> SOCL 270	5 hrs	Sociology of Gender
<input type="checkbox"/> SOCL 340	5 hrs	Inequality and Poverty
<input type="checkbox"/> SOCL 440	5 hrs	Sociology Departmental Seminar
<input type="checkbox"/> XXXX 390	hrs vary	Independent Study (may be arranged with any of the participating academic departments; also requires approval of Women's Studies minor coordinator)
<input type="checkbox"/> SOCL 490	hrs vary	Sociology Internship

Descriptions of the Women's Studies courses 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. 26.



## **Pre-Professional Programs**

### **Pre-Dentistry**

For a description of the academic program, see Biochemistry on p. 56 or Life Science (with a concentration in Pre-Professional Health Sciences) on p.133.

### **Pre-Law**

For a description of the academic program, see Pre-Law on p. 183.

### **Pre-Medicine**

For a description of the academic program, see Biochemistry on p. 56 or Life Science (with a concentration in Pre-Professional Health Sciences) on p. 133.

### **Pre-Optometry**

For a description of the academic program, see Biochemistry on p. 56 or Life Science (with a concentration in Pre-Professional Health Sciences) on p. 133.

### **Pre-Veterinary Medicine**

For a description of the academic program, see Biochemistry on p. 56 or Equine Science (with a concentration in Preveterinary Medicine and Pregraduate Studies) on p. 93 or Life Science (with a concentration in Pre-Professional Health Sciences) on p. 133.

## **Interdisciplinary Majors and Minors**

### **International Studies major**

For a description of the academic program, see International Studies on p. 123.

### **Black Studies minor**

For a description of the academic program, see Black Studies on p. 42.

### **Environmental Studies minor**

For a description of the academic program, see Environmental Studies on p. 91.

### **Women's Studies minor**

For a description of the academic program, see Women's Studies on p. 218.



## 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.*

**The Appalachian Semester**—Administered by Union College in Kentucky, the Appalachian Semester is an intensive, interdisciplinary academic adventure that challenges students to explore firsthand the myths and realities of the Southern Highlands. Sophomores, juniors, and seniors, especially those majoring in Sociology, English, History and Political Science, Religion and Philosophy and International Studies, should consider this program for autumn quarter. Interested students should contact Mr. Charles Vedder, Off-Campus Study Coordinator.

**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. James Carr in the Foreign Languages Department.

**ECC Exchange Programs**—The East Central Colleges (ECC) consortium, to which Otterbein College belongs, offers seven 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

Kansai Gaidai University—Japan

University of Passau—Germany

Universidad de Blas Pascal—Argentina

University of Karlstad—Sweden

Interested students should contact Mr. Charles Vedder, Off-Campus Study Coordinator.

**Colmar, France Program for Education Majors**—The Foreign Language Department, in cooperation with the elementary schools of Colmar, 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. James Carr in the Foreign Languages Department.



**The Philadelphia Center**—Sophomores, juniors and seniors in any major are eligible to apply to the Philadelphia Center, sponsored by the Great Lakes Colleges Association. The program provides opportunities for professional and intellectual development for students in a culturally diverse environment. Interested students should contact Mr. Charles Vedder, Off-Campus Study Coordinator.

**Study Program at Roehampton**—Otterbein College and Roehampton Institute, a federation of four colleges in Wimbledon, London, England, conduct an exchange program in the autumn quarter. 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 Mr. Charles Vedder, Off-Campus Study Coordinator. *Application deadline: May 1.*

**R.O.T.C. Programs**—see p. 196.

**The Washington Semester Plan**—Otterbein College is a member of the Washington Semester Plan, in which students live in Washington, D.C., for one semester, preferably during their junior year. Washington Semester courses at the American University emphasize national legislation, urban affairs or international relations, and bring students into contact with government officials, lobbyists and journalists. Interested students should contact Dr. Elizabeth MacLean in the History and Political Science Department.

**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 institution may, however, charge for other enrollment-related fees such as laboratory or parking fees.

Member HECC institutions are:

<i>Capital University</i>	<i>The Columbus College of Art and Design</i>
<i>Central Ohio Technical College</i>	<i>De Vry Institute of Technology</i>
<i>Columbus State Community College</i>	<i>Mt. Carmel College of Nursing</i>
<i>Franklin University</i>	<i>The Ohio State University</i>
<i>Ohio Dominican College</i>	<i>Pontifical College Josephinum</i>
<i>Otterbein College</i>	

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 at Otterbein, 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 academic standing.
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 substituted 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 knowledge has already been met.

Registration requirements are:

1. The student must first make an appointment with Otterbein's registrar to obtain 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 lifetime.* 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.

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**

The Academic 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. The Academic Support Center also facilitates special academic accommodations for students with disabilities.

**Additional support services may also be available through individual academic departments. Contact the specific department for assistance.**



# ADMISSION AND REGISTRATION

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 sex, 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. Additionally, transfer students may meet with an admission counselor on Tuesday evenings until 8:00 p.m.

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) Otterbein or (614) 823-1500, or by E-mail at [UOtterB@Otterbein.edu](mailto:UOtterB@Otterbein.edu), or by facsimile at 1-(614) 823-1200. You may also inquire or *apply* when visiting our Website: [www.otterbein.edu](http://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) Otterbein or (614) 823-1500, or by E-mail at [UOtterB@Otterbein.edu](mailto:UOtterB@Otterbein.edu), or by facsimile at 1-(614) 823-1200. **You may also inquire or *apply* when visiting our Website: [www.otterbein.edu](http://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, Equine Science) 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 and \$20 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. Ninth and 12th grade 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 \$20 application fee.
- an official transcript from each post-secondary institution attended.
- an official final high school transcript.

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. 233.)

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](mailto:UOtterB@Otterbein.edu) or facsimile at (614) 823-1200. A student may also apply to the College on our website: [www.otterbein.edu](http://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.

**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, or by calling (614) 823-1508.



**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. 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**

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. All other former students may reregister directly with the Registrar's Office *providing they have been away not more than two years—students who have been away more than two years must reapply for admission through the Admission Office. Those former students who have taken coursework elsewhere prior to their return to Otterbein and would like credit must submit a transcript to the Office of the Registrar.*

#### **E. Transient (Visiting) Students**

A transient student may enroll at Otterbein on a part-time or full-time basis for a maximum of three quarters. Neither permission to enroll nor a transcript are required from the home institution. Visiting 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. Application/registration may be made directly with the Office of the Registrar (614) 823-1350.

#### **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 one course 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 an Otterbein application, accompanied by a statement from the high school principal (or his/her designated representative) indicating the student's capability of doing college-level work, a letter of recommendation from the high school teacher in the departmental area of the course in which the student intends to enroll, and 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 3.0 GPA and a 3.0 GPA for courses taken in the academic area in which they intend to enroll.

### 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.

### 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](http://www.otterbein.edu). E-mail us at [UOtterB@Otterbein.edu](mailto:UOtterB@Otterbein.edu), or send us a facsimile to 1-614-823-1200. International students should submit the application with the following credentials:

1. **Transcript.** 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 500 on the Test of English as a Foreign Language (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 \$25 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.

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.

International students seeking admission to the **English Language Program** should write to **International Student Admission, English Language Program, Otterbein College, Westerville, Ohio 43081, USA**; or E-mail us at UOtterB@Otterbein.edu, or send us a facsimile at 1-614-823-1200. They should submit an English Language Program application, proof of financial support (item 3 above), and an application fee of \$25 (item 4 above). They need not submit a transcript or a TOEFL score report.

International students who need to study English as a second language before pursuing their academic career and who seek **conditional admission** should write to **International Student Admission, English Language Program, Otterbein College, Westerville, Ohio 43081, USA**; E-mail us at UOtterB@Otterbein.edu; or send a facsimile at 1-614-823-1200. They should submit an international student application, a transcript (item 1 above), proof of financial support (item 3 above), and an application fee of \$25 (item 4 above). They need not submit a TOEFL score report.

## **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 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. 252 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.

## **Orientation**

Orientation offers new students and their families an opportunity at Otterbein 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/registrar](http://www.otterbein.edu/registrar).

## 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 quarter are designated as late registration days. Only those students who have completed the admission process by the last business day before classes begin will be permitted to register late.



Late fee penalties will be assessed as follows:

1st day of quarter – \$50

2nd day of quarter –\$75

3rd day of quarter –\$100

Late fees must be paid immediately and may not be charged to the student's account. 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

If space permits, many courses are available for audit. Audit expectations are determined by the instructor and thus may vary from course to course. It is the student's responsibility to discuss the expectations with the instructor prior to the start of the class or no later than the first class meeting. Audited courses do not appear on the transcript record.

Part-time students will be charged the published audit fee.

Full-time students may audit a course with permission of the instructor. Registration is not required and there is no cost.

***Changes from audit to credit or credit to audit must be made during the published add/drop period.***

### Repeating Courses

Courses may be repeated for credit. Repeats are subject to the following policies:

1. The repeated course must be ***exactly the same course*** that was originally taken. An actual course may not be repeated as independent study. When in doubt, obtain written clarification from the Registrar's Office. No other College personnel are authorized to make the clarification.
2. Students must inform the Registrar's Office in writing when a course is being repeated.
3. 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.
4. 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.***



5. All attempts, but only the most recent grade, will appear on the transcript record.
6. 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 not 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.

When a student withdraws, all registrations for future quarters are cancelled.

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 cumula-



tive 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. 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.

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. ***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. technical credits (maximum credit = 12 quarter hours)
3. Advanced Placement Examination (AP)
4. College Level Examination Program (CLEP)
5. International Baccalaureate Program (IB)
6. Proficiency Examination Program (PEP)
7. 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 fee of \$25 per credit hour (fee is subject to change annually; \$25 is 1998/99 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.***



### Advanced Placement Program

You may apply to the College for credit for courses taken in high school for which you completed the Advanced Placement Examination (APE) administered by the Educational Testing Service, Princeton, N.J.

A student earning scores of 4 or 5 on an Advanced Placement Examination will receive credit equivalent to that carried by the introductory course in the field in which the APE was taken and will also receive advanced placement. The level of placement will be determined by the department.

A student receiving a 3 will receive advanced placement only. A student receiving 2 or below will not receive advanced placement. You must have the Educational Testing Service report your APE results directly to the Otterbein College Registrar.

### 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):

A	=	4.0	Exceptional
A-	=	3.7	Excellent
B+	=	3.3	Above Average
B	=	3.0	Above Average
B-	=	2.7	Above Average
C+	=	2.3	Average
C	=	2.0	Average
C-	=	1.7	Below Average
D+	=	1.3	Below Average
D	=	1.0	Below Average
F	=	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.



## 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 College holds two commencement ceremonies. An informal graduation is held in January for Summer and Autumn graduates. All graduates (Summer, Autumn, Winter and Spring) are invited to the formal commencement which is held in June. In recent years, guest seating at the informal January ceremony has been unlimited, and guest seating at the formal June ceremony has been limited to seven tickets per graduate.

To participate in either ceremony, a student must:

1. complete all academic degree requirements, and
2. request and submit a fully signed Application for Degree, and
3. submit any additional required paperwork as specified in the Application for Degree, and
4. meet all outstanding financial obligations.

As the commencement ceremonies approach, detailed information will be sent to students who have applied for graduation. This same information is available at any time on the Registrar's website, [www.otterbein.edu/registrar](http://www.otterbein.edu/registrar).

### Transcripts

Copies of official transcripts may be obtained for a nominal fee from the Registrar's Office. An official transcript will not be made available when there is an outstanding bill or a loan in default.



# Tuition and Financial Assistance

## Schedule of Fees

Academic Year 1999-00

(Fees are adjusted annually to reflect current costs.)

### Full-Time Students

	Total per Quarter	On-Campus
Tuition .....		\$5,420
Room* (Base Rate) .....		\$754
Board .....		\$953

	Total for the Year
Tuition .....	\$16,260
Room* .....	\$2,262
Board .....	\$2,859

### Equine Science Program Fee

EQSC 110, 120, 130, 210, 220, 230, 311, 320, 350, 450 .....	\$445/course
EQSC 250, 312, 330 .....	\$225/course

Summer Session (2000) ..... \$195/cr. hr.

\*Room and board fees are held constant provided a student resides in the residence halls for four consecutive academic years.

### Part-time Students

Undergraduate .....	\$195/cr. hr.
Graduate - MSN, MAE, MAT, MBA .....	\$210/cr.hr.

### Special Fees

Applied Music (non-organ, per quarter term per 25 min. lesson) .....	\$200
Applied Music (organ, per quarter term per 25 min. lesson) .....	\$240
Credit by examination (per credit hour) .....	\$25
Late registration .....	\$50/\$75/\$100
Overload per credit hour .....	\$195
Professional term (student teaching) .....	\$240
Transcript .....	\$1/\$5
Returned check charge .....	\$25
Account escheatment fee .....	\$30

The schedule of fees listed above is not intended to be all inclusive. Please contact the Business Office for information on other fees.

Otterbein reserves the right to change these rates within the period covered by this catalog



## **Payment of Fees**

Fees and charges are payable at the Business Office prior to the start of each term.

<b>Term</b>	<b>Due</b>
Autumn	August 15
Winter	December 15
Spring	March 15
Summer	June 15

At the time a student formally registers for classes by signing and submitting the appropriate registration forms to the Registrar's Office, the student agrees to assume financial responsibility for any charges and/or fees as posted to his/her student account and agrees to abide by the official college policies regarding 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 first day of each term are subject to a late payment fee of \$25 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 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.

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 fee charges and due dates as illustrated in the above payment of fees table.



2. Enroll in the payment plan, sponsored by Otterbein College which spreads the cost of the entire academic year over 12, 11 or 10 monthly payments. This plan—without interest charges—will permit you to program college costs into your family's monthly budget. Payments are scheduled to insure the money is on deposit with the College when it is needed at the beginning of each term. An information brochure, which includes an application form, will be mailed to you once you have been accepted for admission.

## **Refund Schedule for Tuition, Room and Board**

A refund schedule has been established for those students who withdraw from the College. 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:

<i>Withdrawal prior to the first day of the quarter (by 5 p.m. on the Friday before classes start)</i>	<i>100% of fees due or paid less nonrefundable enrollment deposit</i>
<i>Withdrawal received in writing or in person by 8 p.m. on the Monday following the first week of the quarter</i>	<i>100% of fees due or paid less \$100 withdrawal fee*</i>
<i>Withdrawal received in writing or in person by 8 p.m. on the Monday following the second week of the quarter</i>	<i>70% of fees due or paid</i>
<i>Withdrawal received in writing or in person by 8 p.m. on the Monday following the third week of the quarter</i>	<i>60% of fees due or paid</i>
<i>Withdrawal received in writing or in person by 8 p.m. on the Monday following the fourth week of the quarter</i>	<i>40% of fees due or paid</i>
<i>Withdrawal received in writing or in person by 8 p.m. on the Monday following the fifth week of the quarter</i>	<i>20% of fees due or paid</i>
<i>Withdrawal received in writing or in person on the Monday following the sixth week of the quarter</i>	<i>10% of fees due or paid</i>
<i>Withdrawal after the sixth week of class</i>	<i>No refund</i>

\* There is no withdrawal fee when a student withdraws from one or more courses, but is still enrolled for at least one course in the same quarter. When a student withdraws from all courses in which they were enrolled, the withdrawal fee is:

\$50 if previously enrolled for five or less hours and now carrying zero hours in the same quarter.

\$100 if previously enrolled for six or more hours and now carrying zero hours in the same quarter.



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.

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.**

## Otterbein's Financial Aid Policy

Your college education is one of the most important economic decisions you will ever make. Otterbein believes that if admitted to the College we should help you meet the costs of your education if you require financial assistance. Our financial aid policy is based upon the following principles:

1. We will attempt to meet the financial need of each full-time dependent and independent students offered admission to the College. Financial aid in the form of scholarships, grants, work-study programs and loans assist with the difference between the cost of undergraduate education and what you are able to pay from your family resources.

2. Academic scholarships earned by the student are awarded for four years of study, Autumn through Spring quarters, provided the student meets the criteria 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 components.

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 affordable to students from all economic levels.

## 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.



## 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 to 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: \$8,000***—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: \$5,000***—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: \$3,500***—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.



**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**—Community Service Awards of \$1,500 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.

**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. Forty to 60 of these scholarships are awarded to Otterbein students each year. Applications may be obtained from the Office of Church Relations, Otterbein College, Westerville, Ohio 43081, or call (614) 823-1206.

***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 \$3,500 per year. Students with an A.A. and a 3.0 to 3.49 grade point average on a 4.0 scale receive \$2,000 per year. Scholarships are renewable annually for a total of two years.



**R.O.T.C. Scholarships**—R.O.T.C. scholarships offered by the Army and Air Force are available to Otterbein students. Four-year R.O.T.C. students are eligible to apply for the R.O.T.C. College Scholarship Program which provides the “off-campus” comprehensive fee plus a book allowance and subsistence allowance. Application is normally made in the fall of the senior year in high school and must be completed by January 15. Selection is based on academic performance, ACT/SAT scores, scores attained on the Officer Qualifying Test and evaluation by a selection committee.

In addition to the four-year scholarships, three-year and two-year scholarships for qualified men and women are available in several areas. These scholarships provide the same benefits as the four-year scholarships.

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) 236-7101. Also see R.O.T.C. on p. 196.

## 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 or the Otterbein Financial Aid Office. Transfer students are required to submit a Financial Aid Transcript from each institution attended since high school.

Financial aid may consist of single or combined offers of non-repayable scholarships and grants, loans and part-time campus employment. By filing the IAF (Continuing Studies students only) and 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.

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, and continued financial need. FAFSA applications 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 [UOtterB@Otterbein.edu](mailto:UOtterB@Otterbein.edu).

## Grants

**(applicable to 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.



**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 under full connection as an elder, are assured total grants from all sources valued at one-half tuition. The definition of dependency is that which is used when applying for federal student aid. Children of retired or deceased clergypersons may also be eligible. Please contact the Financial Aid Office for specific information.

**State Grant Programs**—Ohio residents may receive Ohio Instructional Grants (OIG) of up to \$4,428 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 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 before July 1, 1984, are eligible to receive The Ohio Choice Grant which has ranged from \$900-1,000 per year.

**Federal Pell Grant**—This is a federal program through which a student may receive for the 1999-2000 academic year up to a maximum yearly grant of \$3,125. Application is made by completing the FAFSA.

**Federal Supplemental Education Opportunity Grants**—A limited number of students who demonstrate a high degree of financial need are awarded federally-funded 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 \$30 per month (\$360) 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.

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.

First time borrowers should complete the Federal 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 over eight years. 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.

**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 Appeals 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.



***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 Appeals Committee.

***Alternative Loans***—Additional consumer loans are available to students and families through a variety of participating lending institutions. Information is available by contacting the Office of Financial Aid, Otterbein College, Westerville, OH 43081.

## **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 Student Employment Office. Students should apply for jobs soon after the beginning of classes. Employment is available in such departments and offices as the bookstore, dining hall, 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.

Employment is available in most departments and offices.

## **Additional Financial Aid Sources**

***Ohio Academic Scholarship***—Ohio Academic Scholarships, each valued at \$2,000, 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 guidance 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.



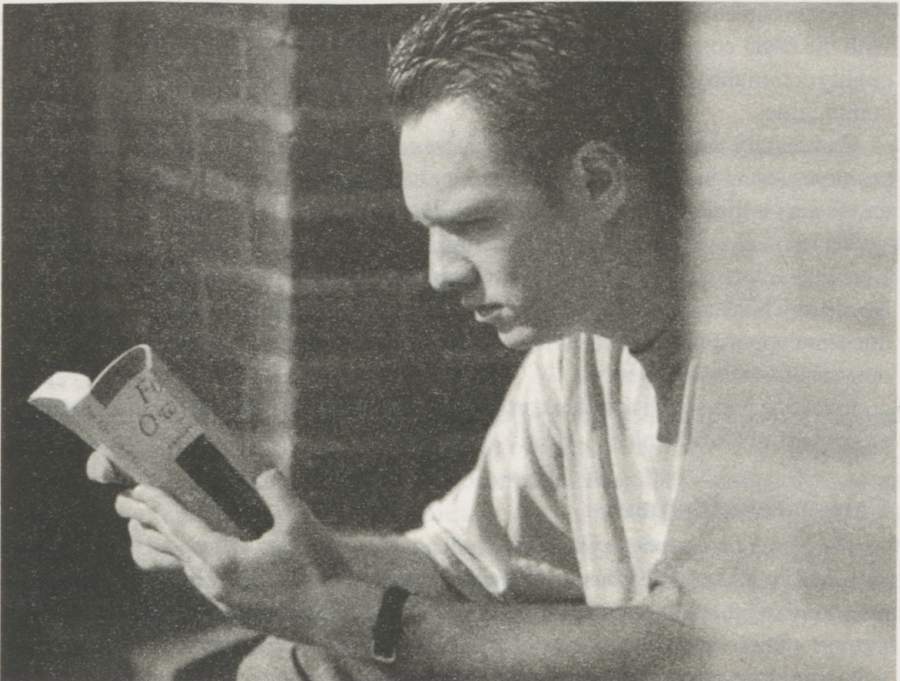
**Vocational Rehabilitation Benefits**—Benefits are available to eligible students who have disabilities that are considered a handicap to employment. Specific information may be obtained by contacting the local State Bureau of Vocational Rehabilitation Office.

**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.

**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.





# **CAMPUS LIFE**

## **Student Services**

### **Activities**

Involvement in activities at any college is an important part of a student's life. Through participation in extracurricular activities, you can extend your classroom experiences to the College, the community, and the world. Involvement in activities provides opportunities for leadership experiences which prospective employers look for in addition to strong academic backgrounds.

Otterbein's Office of Student Activities sponsors two main programs that can help you become involved on campus. The Campus Programming Board (CPB) plans a plethora of weekend activities for students including a coffeehouse series, film series, special events like comedians, hypnotist, lecturers and novelty acts, as well as traditional events (Homecoming, Family Appreciation Day, Winter Carnival, Sib's Weekend, Unity Day). In addition to the activities already mentioned, commuter students may opt to attend commuter gatherings, called "Drive-Ins," which are forums to discuss issues affecting commuters.

Otterbein also sponsors over 90 student organizations and activities. The list is virtually endless and the options plentiful; however, if we do not have what you are looking for, the Office of Student Affairs can help you start a club in which you might be interested.

### **Community Service**

The mission of Otterbein College Community Service is to develop 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 these communities.

Community Service Learning emphasizes a greater multicultural understanding, promotes social justice through community development, increases student learning and fosters a lifelong commitment to service.

These goals are met by sponsored programs in the topical areas of: AIDS; Senior Citizens; Literacy; Environment; Hunger and Homelessness; Mentoring; Special Needs of Children, Youth and Adults; and Advocacy. There are weekly programs, one-time opportunities and service-learning options to meet course requirements or options of community service.

Investing yourself in activities on campus will only add to your education and your enjoyment of Otterbein!

### **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 and extensive career library resources to help students plan for and explore future careers.

### **Part-Time Employment**

Opportunities for part-time employment, both on and off campus, are posted in the Financial Aid Office. Students eligible for federal work-study positions may review and apply for available positions. Positions with area employers, some of which may be career-related, are also listed and are updated daily.

### **Counseling-Academic**

You will have a faculty member as your individual advisor. This advisor will help you with the decisions concerning courses and class scheduling. The Academic Dean's staff is available for counseling on academic questions.

### **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.

### **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 students at the beginning of Fall classes. Copies of this publication can also be obtained by writing to the Office of Student Affairs.

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 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. Students living in additional residence halls will pay the same price for housing and meals throughout their stay. 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 get 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.

## Residence Life Association and Residence Life Programming

Student input is critical to the programs developed within the residence halls. The Residence Life Association and Hall Unification Board provide 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. Faculty are also involved in residence life programming through the Otterbein Faculty Associate Program. The program has as its primary goal to provide coherence to the undergraduate student experience through



The Concert Band of approximately 85 members makes an annual tour in addition to performing on campus.

The Wind Ensemble is composed of members selected from the Concert Band.

The Jazz Ensemble is a select group of 18 musicians.

The Pep Band plays at home basketball games.

## **Dance**

Dance Company presents workshops and the annual Dance Concert, with choreography by faculty, students, and guest artists. Membership is by audition.

## **Orchestra**

The Westerville Symphony is a College-community orchestra of students, amateurs and semiprofessionals. The ensemble performs classical, pop and school concerts during the academic year. Opportunities also exist for orchestral playing with the annual opera and musical.

## **Vocal Music Ensembles**

The Concert Choir is a select group of mixed voices. It is one of the principal touring ensembles in the Department of Music.

The Men's Chorus and Women's Chorus perform several times each academic year, both on and off campus. Membership is by audition.

## **Other Ensembles**

The Otterbein Vocal Ensemble presents several concerts each year of literature from the Middle Ages, Renaissance, Baroque, and contemporary periods.

The Percussion Ensemble performs two programs of contemporary percussion music on campus during the year.

## **Musical Theatre**

Opus Zero is Otterbein's musical theatre ensemble; Opus One specializes in vocal jazz. Both groups' membership is by audition.

Opera Theatre presents one major and up to two smaller productions annually.

The spring musical is a cooperative undertaking of the Department of Music and Otterbein College Theatre.

## **Theatre**

Otterbein College Theatre presents six productions during the academic year and three during Otterbein Summer Theatre to an annual audience of more than 30,000 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 subcommittee of the Campus Affairs 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 business administration, journalism, visual arts and other related disciplines. The station broadcasts 17 hours a day during the academic year, featuring a contemporary music format, Otterbein College sporting events and Westerville area news and public affairs.

### 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 participation, 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, American Forensics Association, National Forensics Association, Novice Debate Association, Cross-Examination Debate 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.



## 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.

## 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

Eta Phi Mu  
Lambda Gamma Epsilon  
Pi Beta Sigma  
Pi Kappa Phi  
Sigma Delta Phi  
Zeta Phi

#### Panhellenic Council Member Sororities

Epsilon Kappa Tau  
Kappa Phi Omega  
Sigma Alpha Tau  
Tau Epsilon Mu  
Tau Delta  
Theta Nu

#### City-Wide Affiliates

Alpha Kappa Alpha  
Alpha Phi Alpha  
Delta Sigma Theta



## **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.

## **Governance and Regulations**

### **Otterbein College Governance Program**

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. Three voting student seats and three voting faculty seats are on the 37-member board.

### **Alcohol**

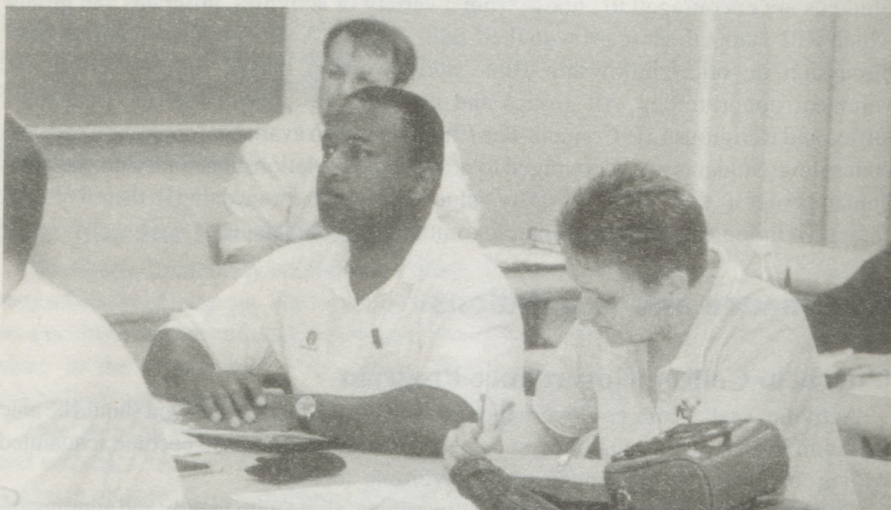
The use of alcoholic beverages is not permitted on campus, in campus buildings, or in fraternity and sorority houses. In addition, the State of Ohio Liquor Control law prohibits the purchase, possession, or consumption of alcoholic beverages or beer by persons under the age of 21 years. Furthermore, 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.



# CONTINUING EDUCATION



Flexibility, accessibility, variety, and reputation contribute to the success of Otterbein's Continuing Studies Program and the success of our students. Since the program was established in 1974, Continuing Studies has placed an emphasis on giving its adult students flexibility in course schedules, the capacity to complete their degrees quickly, and the commitment to a quality higher education. Otterbein understands that students start and finish their education at different life stages; and there is a need to fit that education into a variety of schedules. Therefore, the Office of Continuing Studies has developed its PACE Program and other evening and weekend majors to accommodate these schedules. Students can select from a variety of courses, fit those courses within one or more study options, and determine the rate they move through their programs.

Accessible services provided through the Office of Continuing Studies will help make continuing your education a reality. As a "one stop" service center, our office provides adult students:

- simplified admissions and registration
- academic advising for new and currently enrolled students
- orientation and academic skills workshops
- access to student records
- assistance with financial aid
- a strong transfer program
- evening/weekend office hours
- accelerated degree programs
- all within one central office

Some students begin and finish their degrees as adults, moving toward new careers; some transfer courses to Otterbein and complete their degrees, shifting career directions or seeking promotions, while others choose to enroll in courses for personal enrichment. For those students new to college, we offer both noncredit workshops and credit courses to ease the transition. Students transferring from another college will



find we offer a strong transfer program and the flexibility to enroll part-time or full-time when they begin course work at Otterbein. For more information, contact the Office of Continuing Studies at (614) 823-1356.

## **Degrees and Majors**

### **Degrees**

Bachelor of Arts, Bachelor of Science, Bachelor of Music Education, Bachelor of Fine Arts in Theatre, Bachelor of Science in Education, Bachelor of Science in Nursing, Master of Arts in Education, Master of Arts in Teaching, Master of Business Administration and Master of Science in Nursing. Otterbein also offers Post-Masters Adult Nurse Practitioner and Post-Masters Family Nurse Practitioner programs.

### **Majors Available Through Evening Classes**

Accounting

Business Administration

General Business Administration

Finance

International Business

Management

Marketing

Chemistry

Computer Science

English-Literature Concentration

Liberal Studies in Business Administration (PACE)

Liberal Studies in Organizational Communication (PACE)

Nursing: B.S.N., L.P.N. to B.S.N., R.N. to B.S.N., and the R.N. to M.S.N.

\* Integrative studies, sciences and selected nursing courses are offered evenings and weekends

M.S.N. and Post-Masters - a part-time evening program

Psychology

Public Accounting

Public Relations

### **Majors Available Through Day Classes**

Each quarter 35 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 Weekend College**

Business Administration

General Business Administration

International Business

Management

Marketing

Organizational Communication

Psychology



## Weekend College

Weekend College at Otterbein offers you classes which meet for four hours usually every other weekend (six weekends during the ten-week quarter) or meet every Saturday for ten weekends. Because weekend classes meet less frequently than day and evening classes, academic quality is maintained through independent study assigned during the interval between classes.

Through Weekend College, you can complete the general core requirements for any of Otterbein's majors. In addition, selected majors listed above may be completed in their entirety through Weekend College.

Weekend College appeals to students who can't attend classes during the week and to those who live a distance from campus. It appeals to students who enjoy the flexibility of combining day or evening classes with weekend classes. It appeals to adult students who have developed a knack for independent study.

On the scheduled weekends, classes meet during all sessions listed under a single class category below:

- Class I: 5:30 p.m. - 7:30 p.m., Friday plus 10:30 a.m.-12:30 p.m., Saturday
- Class II: 5:30 p.m. - 9:40 p.m., Friday
- Class III: 8:30 a.m. - 12:40 p.m., Saturday
- Class IV: 1:00 p.m. - 5:10 p.m., Saturday
- Class V: 1:00 p.m. - 4:10 p.m. every Saturday

In addition to meeting standard Continuing Studies admission requirements, new students interested in enrolling in Weekend College should schedule an interview with a Continuing Studies advisor.

## Accelerated Learning (PACE)

Professional Accelerated Continuing Education (PACE) is an accelerated degree program offering majors in either Business Administration or Organizational Communication.

If you have completed 90 quarter hours (60 semester hours) with selected prerequisites you can attend one three hour evening course per week and a Weekend College course each term and earn your degree in 23 months.

PACE features:

- Complete a degree in 23 months over five terms per year.
- Schedule one three hour evening course and one Weekend College course each term over five terms per year.
- Write a personal development plan and follow it as you move through the courses.

In order to apply to the PACE Program you must complete a PACE application, submit a writing sample and official college transcripts.



## **Admission, Eligibility and Registration**

### **Undergraduate Admission**

Through simplified procedures, you can complete admission to Otterbein College and register for classes at the Office of Continuing Studies. There is no admission fee. During admission, you may choose to schedule an appointment with a Continuing Studies advisor or a faculty member. You should meet with an advisor if you plan to enroll in Weekend College. To be fully admitted and to register beyond one quarter, students must submit all official transcripts.

### **Eligibility**

If you are 23 years of age or older, you may seek admission into the program as a part-time or full-time student. If you are less than 23 years of age, you may seek admission through the Office of Continuing Studies as a part-time student only if you have completed a two- or three-year college program, or if you have not been enrolled as a full-time student in high school or college for at least one year. The College's programs are also open to individuals who hold a bachelor's degree.

To become a Continuing Studies student, you must meet the College's general admission standards. Adult students are not required to take ACT and SAT entrance examinations, but if your past academic performance was marginally successful, you may be accepted as a special standing student.

### **Admission Procedure**

Based on your educational goals, select the appropriate admission procedure:

#### **1. Students seeking a degree and Weekend College students.**

Complete the application; submit official transcripts of all previous college work and arrange for an interview with a Continuing Studies advisor. If you have earned fewer than 15 hours of college credit, you must also submit an official copy of your high school transcript. By submitting an unofficial transcript, degree-seeking students are permitted to register part-time for one quarter as a provisional admit. Students planning to register full-time are required to submit all official transcripts before being admitted.

#### **2. Students not pursuing a degree but seeking courses for college credit.**

Complete the application; provide proof of high school graduation (high school transcript, copy of a diploma, copy of a college transcript or other proof); and if you choose, schedule an interview with a Continuing Studies advisor.

#### **3. Graduates of Bachelor Degree programs who seek additional undergraduate work.**

Complete the application; provide a copy of all official college transcripts; and schedule an interview with a Continuing Studies advisor.

#### **4. Transient (visiting) students seeking to attend on a part-time or full-time basis for a maximum of three quarters.**

Complete a transient student application which is available upon request from the Registrar's Office or the Continuing Studies Office.



**5. Students wishing to audit a course or take a noncredit course.**

Complete the application; provide proof of high school graduation (high school transcript, copy of diploma, copy of college transcript, or other proof); and if you choose, schedule an interview with a Continuing Studies advisor.

Direct your requests for information and materials to The Office of Continuing Studies, 23 Towers Hall, Otterbein College, Westerville, Ohio 43081 (614) 823-1356. This office serves as the admission office for all Continuing Studies students.

**Advising**

Advisors are available in the Office of Continuing Studies to explain Otterbein's programs, policies and procedures, and assist students in scheduling classes. Once a student has been admitted to the college and declared a major, they will be assigned a faculty advisor. Those students who postpone declaring a major or remain as non-degree students may continue to discuss scheduling of courses with Continuing Studies advisors. While Continuing Studies students are not required to meet with an advisor every time they schedule classes, they are encouraged to meet with their advisor regularly to ensure that they are meeting degree requirements and follow all academic policies and procedures established.

**Registration For Continuing Studies Students**

Registration is simple and on-going. After your first quarter of enrollment, you will receive a registration form and schedule in the mail several weeks before the beginning of each quarter. Complete the form and return it to the Registrar's Office by mail or in person. The form permits you to schedule classes up to three quarters in advance, and you may register for classes at any time between the publication of a schedule and each quarter's registration deadline. When the course schedules are published in May, you can register for the next academic year including Summer, Autumn, Winter, Spring and December Terms. This assures you convenience and your choice of classes for the coming year.

At the time of registration, you are required to pay a \$50 nonrefundable deposit. This 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 described in the next section.

You must follow registration deadlines:

1. You may register by mail up to one (1) week before classes begin.
2. You may register in person at the Registrar's Office up to the close of the business day designated as the last day to register for a given quarter.
3. Weekend College registration must be received by mail **OR** delivered in person by 5 p.m. on Friday one week before the beginning of Weekend College classes.



## 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. Forms for these two payment plans are available in both the Registrar's Office and the Continuing Studies Office. 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 \$15 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 \$25 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 Continuing Studies Office 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 Continuing Studies Office. 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. 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.

## 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

### 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 15 quarter hours of work 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 Rike Physical Education 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 the peripheral services such as free tickets to athletic/theatre events, use of the Health Service, and participation in student activities are not available without charge to part-time students. Students attending part-time may purchase an activity card which may be used for admission to many athletic events and theatre productions. Students should contact the Office of Continuing Studies at (614) 823-1356 or Student Affairs Office (614) 823-1250 to verify the services available when attending Otterbein part-time.

### Residence Requirements

Refer to p. 224 in the section entitled Admission and Registration.

### Earning a Second Bachelor's Degree

Refer to p. 23 in the section entitled The Academic Program.

### Transfer of Credit

Refer to p. 233 in the section entitled Admission and Registration.

### Credit for Prior Learning/By Examination

Refer to p. 233 in the section entitled Admission and Registration.



### Auditing Courses

Refer to p. 230 in the section entitled Admission and Registration.

### Interruption in Attendance

Refer to p. 22 in the section entitled The Academic Program.

### Adding/Dropping Classes

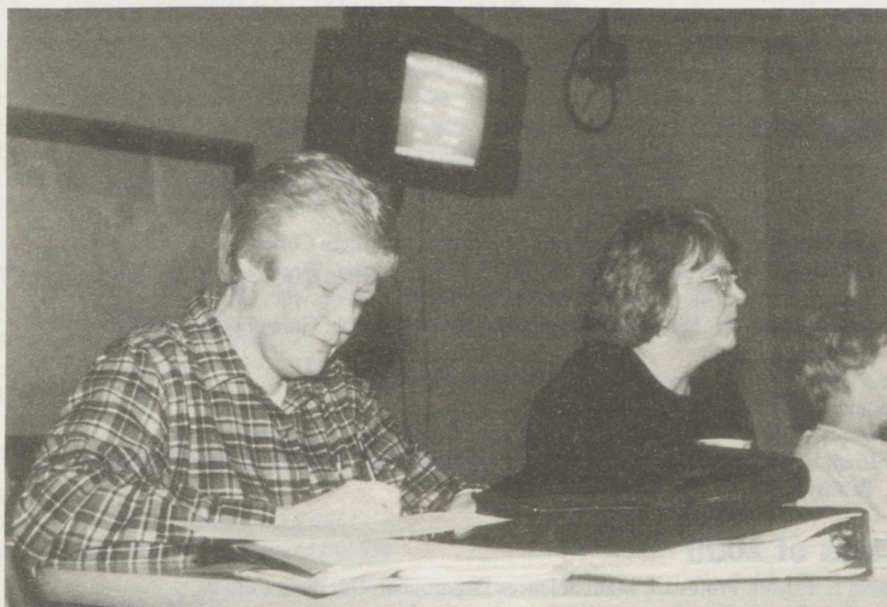
Refer to p. 231 in the section entitled Admission and Registration.

### Withdrawal

Refer to p. 231 in the section entitled Admission and Registration.

### Refund Schedule

Refer to p. 240 in the section entitled Tuition and Financial Assistance.





# Otterbein College

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 Douglas R. Knight '63, Physician, Childrens Hospital, Columbus, Ohio  
 John Ludlum, Associate Professor, Department of Communication, Otterbein College  
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## 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  
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*Vice President for Business Affairs  
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*Vice President for Institutional  
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*Art*  
Nicholas Hill

*Business, Accounting and Economics*  
TBA

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*History & Political Science*  
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*Life & Earth Sciences*  
Michael A. Hoggarth

*Mathematical Sciences*  
Susan E. Enyart

*Music*  
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*Nursing*  
Judy Strayer

*Physics & Astronomy*  
Louis G. Arnold

*Psychology*  
Robert N. Kraft

*Religion & Philosophy*  
Paul A. Laughlin

*Sociology*  
Barlena A. Bauer

*Theatre & Dance*  
John Stefano

## Faculty

Kamel A.M. Abdallah, 1990-  
*Professor of Business, Accounting  
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B.A., The American University of  
Beirut, Lebanon, 1985  
M.A., The American University,  
Washington, DC, 1987  
M.A., The Ohio State University,  
1990  
Ph.D., The Ohio State University,  
1992

Morton J. Achter, 1975-  
*Professor of Music*  
B.M., University of Michigan, 1961  
M.M., University of Michigan, 1963  
Ph.D., University of Michigan, 1972

Michele Acker, 1997-  
*Assistant Professor of Psychology*  
B.A., Eckerd College, 1989  
M.A., University of Michigan, 1990  
Ph.D., University of Michigan, 1994

Patti R. Albaugh, 1989-  
*Associate Professor of Education*  
B.A., Mt. Vernon Nazarene College, 1979  
M.A., The Ohio State University, 1985  
Ph.D., The Ohio State University, 1986

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*Director, MBA Program*  
B.A., Wheaton College, 1974  
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Ph.D., The Ohio State University, 1991

Kyriacos C. Aristotelous, 1993-  
*Associate Professor of Economics*  
B.S., Iowa State University, 1986  
M.A., University of Delaware, 1988  
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Louis G. Arnold, 1983-  
*Professor of Physics/Astronomy*  
A.B., Northwestern University, 1963  
M.S., University of Kentucky, 1965  
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Bruce C. Bailey, 1999-  
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B.S., University of Connecticut, 1977  
M.B.A., University of Michigan, 1979

James R. Bailey, 1967-  
*Professor of English*  
B.A., Franklin College, 1960  
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Ph.D., Indiana University, 1971

Lyle T. Barkhymer, 1967-  
*Professor of Music*  
B.A., B.M., Otterbein College, 1964  
M.M., Indiana University, 1967  
D.M., Indiana University, 1970

Garlena A. Bauer, 1988-  
*Professor of Sociology*  
B.S., The Ohio State University, 1979  
M.S., The Ohio State University, 1979  
Ph.D., The Ohio State University, 1981

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B.S., Indiana State University, 1979  
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B.S., The Ohio State University, 1967  
M.S., The Ohio State University, 1970  
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*Professor of Nursing*  
B.S.N., Marquette University, 1964  
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*Associate Professor of Foreign Languages*  
B.A., Andrews University, 1958  
M.A., Kent State University, 1964  
Diplome, Universite' de Caen (Normandie), 1965

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*Professor of English*  
B.A., Indiana Central College, 1960  
M.A., Indiana University, 1963  
B.D., Yale Divinity School, 1964  
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B.S., Cornell University, 1966  
M.A.T., Wesleyan University, 1967  
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B.A., University of Oklahoma, 1974  
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B.S., University of Nebraska, 1966  
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 M.S., University of North Alabama, 1980  
 Ph.D., The Ohio State University, 1988

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 Ph.D., Ohio University, 1996

Zhen Huang, 1991-  
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 B.S., Fujian Norman University, 1982  
 M.S., University of Iowa, 1987  
 M.S., University of Iowa, 1989  
 Ph.D., University of Iowa, 1991

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 B.A., Ohio University, 1981  
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 B.A., University of Dubuque, 1967  
 Ph.D., Marquette University, 1993

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 B.A., Otterbein College, 1968  
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 B.S., The Ohio State University, 1972  
 M.S., The Ohio State University, 1976  
 Ph.D., The Ohio State University, 1997



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*Professor of Chemistry*

B.A., Anderson University, 1966

Ph.D., University of Pittsburgh, 1970

Craig R. Johnson, 1980-

*Professor of Music*

B.M., Northwestern University, 1974

M.M., Northwestern University, 1979

D.M.A., College Conservatory of Music,  
University of Cincinnati, 1989

Lonnell E. Johnson, 1994-

*Professor of English*

B.S., Purdue University, 1965

M.A., Emporia State University, 1978

Ph.D., Indiana University, 1986

Robert W. Johnson, 1987-

*Associate Professor of Theatre/Dance*

B.A., Bowling Green State University,  
1977

M.A., West Virginia University, 1982

M.F.A., The Ohio State University, 1985

Dean H. Johnston, 1995-

*Assistant Professor of Chemistry*

B.A., The College of Wooster, 1988

M.S., Northwestern University, 1989

Ph.D., Northwestern University, 1993

David C. Jones, 1983-

*Associate Professor of Business,*

*Accounting and Economics*

B.A., Heidelberg College, 1962

M.A., The Ohio State University, 1978

Ph.D., The Ohio State University, 1982

Teresa W. Julian, 1995- (1987-89)

*Associate Professor of Nursing*

B.S.N., Southeast Missouri State  
University, 1979

M.S.N., The University of Tennessee,  
Knoxville, 1981

Ph.D., The Ohio State University, 1987

Leesa J. Kern 1999-

*Visiting Instructor of Sociology*

B.A., Miami University, 1988

M.A., The Ohio State University, 1992

Joy E. Kiger, 1997-

*Associate Professor of Health and Physical  
Education*

B.S., Otterbein College, 1967

M.Ed., Miami University, 1973

M.S.Ed., Northern Illinois University, 1982

Ph.D., Michigan State University, 1987

Christina M. Kirk, 1992-

*Associate Professor of Theatre/Dance*

B.F.A., University of Illinois, 1985

M.F.A., Columbia University, 1991

Paula J. Knight, 1992-

*Associate Professor of Education*

B.A., University of Evansville, 1969

M.A., University of Evansville, 1973

Ph.D., The Ohio State University, 1990

Robert N. Kraft, 1988-

*Professor of Psychology*

B.A., Grinnell College, 1975

Ph.D., University of Minnesota, 1980

Paul A. Laughlin, 1979-

*Professor of Religion/Philosophy*

B.A., University of Cincinnati, 1968

M.Div., Emory University, 1971

Ph.D., Emory University, 1975

Simon K. Lawrance, 1991-

*Associate Professor of Life/Earth Science*

B.A., Earlham College, 1975

M.Phil., M.S., Yale University, 1984

Ph.D., Yale University, 1986

Jeffrey S. Lehman, 1996-

*Assistant Professor of Life/Earth Science*

B.S., Manchester College, 1987

Ph.D., Purdue University, 1994

Halard L. Lescinsky, 1996-

*Assistant Professor of Life/Earth Science*

B.A., Williams College, 1985

Ph.D., University of California, 1995

J. Patrick Lewis, 1974-

*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



Chien-Ting (Edward) Lin, 1989-  
*Assistant Professor of Business,  
 Accounting, and Economics*  
 B.S., Pennsylvania State University, 1988  
 M.B.A., University of Houston, 1992  
 Ph.D., Texas Tech University, 1998

John T. Ludlum, 1980-  
*Associate Professor of Communication*  
 B.A., Capital University, 1972  
 M.A., Miami University, 1974  
 Ph.D., The Ohio State University, 1993

Elizabeth K. MacLean, 1986-  
*Professor of History/Political Science*  
 B.A., Connecticut College for Women,  
 1964  
 M.A., University of Maryland, 1977  
 Ph.D., University of Maryland, 1986

Shirine L. Mafi, 1986-  
*Assistant Professor of Business,  
 Accounting and Economics*  
 B.B.A., Marshall University, 1977  
 M.B.A., Marshall University, 1978

James L. Martin, 1991-  
*Professor of Foreign Languages*  
 B.A., University of California, 1970  
 M.A., University of California, 1972  
 Ph.D., University of California, 1981

Debra L. Mason, 1993-  
*Associate Professor of Communication*  
 B.A., Capital University, 1979  
 M.T.S., Trinity Lutheran Seminary, 1981  
 M.S., Northwestern University, 1984  
 Ph.D., Ohio University, 1995

Grace A. McDaniel, 1996-  
*Instructor of Education*  
 B.S., Capital University, 1983  
 M.A., The Ohio State University, 1987

Mary W. McKelvey, 1984-  
*Associate Professor of Nursing*  
 B.S.N., Tuskegee Institute, 1971  
 M.S., The Ohio State University, 1974  
 Ph.D., The Ohio State University, 1996

Eda L. Mikolaj, 1990-  
*Professor of Nursing*  
 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-  
*Assistant Professor of Religion/Philosophy*  
 A.B., University of Michigan, 1990  
 M.A., University of North Carolina, 1992  
 Ph.D., University of North Carolina, 1997

Susan P. Millsap, 1987-  
*Associate Professor of Communication*  
 B.A., West Chester State University, 1980  
 M.A., The University of Tennessee, 1982  
 Ph.D., The Ohio State University, 1995

L. Thomas Moore, 1997-  
*Assistant Professor of Education*  
 B.S., The Ohio State University, 1962  
 M.A., The Ohio State University, 1965  
 Ph.D., The Ohio State University, 1972

Mona Narain, 1993-  
*Associate Professor of English*  
 B.A., Panjab University, 1985  
 M.A., University of Bombay, 1988  
 Ph.D., State University of New York at  
 Stony Brook, 1994

Barbara S. Pettegrew, 1986- (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

Michael S. Pettersen, 1993-  
*Associate Professor of Physics/Astronomy*  
 A.B., Harvard University, 1980  
 Ph.D., California Institute of Technology,  
 1988

Robert D. Place, 1967-  
*Professor of Chemistry*  
 B.A., Albion College, 1963  
 Ph.D., University of California, Berkeley,  
 1967

Alison H. Prindle, 1971-  
*Professor of English*  
 B.A., Radcliffe College, 1964  
 Ph.D., Cornell University, 1977

Allen M. Prindle, 1989- (1987-1988)  
*Associate 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-  
Associate 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

Kevin Purcell, 1998-  
Visiting Assistant Professor of Music  
B.A., LaTrobe University, 1980  
Diploma in Education, University of  
Melbourne, 1983  
M.M., University of Melbourne, 1992  
Graduate Diploma Music, University of  
Sydney, 1993

Christina L. Reynolds, 1990-  
Associate 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

Wayne Rittenhouse, 1982-  
Professor of English  
B.A., Wilmington College, 1975  
M.A., New York University, 1980  
Ph.D., The Ohio State University, 1988

Cathryn A. Robbins, 1986-  
Associate Professor of Theatre/Dance  
B.A., San Jose State University, 1972  
M.F.A., Humboldt State University, 1980

Karen S. Robinson, 1988-  
Professor of Education  
B.A., University of Montevallo, 1969  
M.A., University of Alabama, 1971  
Ph.D., Vanderbilt University, 1975

Joan E. Rocks, 1998- (1992-1997)  
Instructor of Health and Physical  
Education/Director, Athletic Training  
Program

B.A., Marietta College, 1986  
M.S., Canisius College, 1987

Dennis M. Romer, 1988-  
Associate Professor of Theatre/Dance/  
Artistic Director  
B.A., Otterbein College, 1971  
M.F.A., Wayne State University, 1974

Cynthia Laurie Rose, 1992-  
Associate Professor of Psychology  
B.A., Youngstown State University, 1982  
M.A., University of Cincinnati, 1985  
Ph.D., University of Cincinnati, 1990

Louis H. Rose, 1991-  
Associate Professor of History/Political  
Science  
B.A., Clark University, 1976  
M.A., Princeton University, 1980  
Ph.D., Princeton University, 1986

Patricia M. Ryan, 1988-  
Associate Professor of Education  
A.B., Ohio Dominican College, 1967  
M.A., The Ohio State University, 1980  
Ph.D., The Ohio State University, 1986

Karyl E. Sabbath, 1989-  
Associate Professor of Communication  
B.A. Bowling Green State University, 1979  
M.A., Northern Arizona University, 1982  
Ph.D., Ohio University, 1988

Barbara H. Schaffner, 1985-  
Professor of Nursing  
B.S.N., University of Cincinnati, 1977  
M.S.N., Indiana University, 1981  
Ph.D., The Ohio State University, 1992

Eva A. Sebo, 1986- (1975-1980)  
Associate Professor of Sociology  
B.S., Columbia University, 1963  
M.S., Columbia University, 1964  
Ed.D., Columbia University, 1977

Elizabeth A. Smith, 1994-  
Associate Professor of Education  
B.A., Ohio Wesleyan University, 1978  
M.A., The Ohio State University, 1987  
Ph.D., The Ohio State University, 1993

Jeremy H. Smith, 1988-  
Professor of English  
B.A., Indiana University, 1976  
M.A., Indiana University, 1979  
Ph.D., Indiana University, 1985



Michelina A. Smith, 1993-  
*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

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-  
*Associate Professor of Art*  
B.A., Otterbein College, 1967  
M.F.A., The Ohio State University, 1969

Judy Strayer, 1978-  
*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

Kerry L. Strayer, 1999-  
*Assistant Professor of Communication*  
B.A., Bluffton College, 1984  
M.A., The University of Cincinnati, 1987  
Ph.D., The University of Texas, 1995

John H. Swaim, 1996-  
*Professor of Education*  
B.S.Ed., Emporia State University, 1967  
M.S.Ed., Emporia State University, 1968  
Ed.D., University of Northern Colorado, 1976

Lynn E. Taylor, 1995-  
*Assistant Professor of Equine Science*  
B.S., University of Connecticut, 1988  
M.S., Virginia Polytechnic Institute and State University, 1991  
Ph.D., Virginia Polytechnic Institute and State University, 1995

Gary R. Tirey, 1968-  
*Associate Professor of Music*  
B.M.E., Capital University, 1964  
M.M.E., VanderCook College of Music, 1969

Zengxiang Tong, 1991-  
*Associate Professor of Mathematics*  
B.S., Nanking University, 1966  
M.S., Sichuan University, 1982  
Ph.D., University of Delaware, 1991

Roger J. Tremaine, 1964-  
*Assistant Professor of Mathematics*  
B.S.Ed., Kent State University, 1961  
M.A., Arizona State University, 1964

William E. Vaughan, 1982-  
*Associate Professor of Theatre/Dance*  
B.S.Ed., Otterbein College, 1971  
M.A., University of Connecticut, 1974

Marjorie A. Vogt, 1990-  
*Assistant Professor of Nursing*  
B.S.N., Carlow College, 1977  
M.S., The Ohio State University, 1990

Terry D. Wallenbrock, 1983-  
*Assistant Professor of Business,  
Accounting, and Economics*  
B.S., Indiana State University, 1965  
M.S., Indiana State University, 1967  
M.B.A., University of Michigan, 1982

Teri Walter, 1985-  
*Associate Professor of Health and Physical  
Education/Director of Intramurals*  
B.S., Miami University, 1983  
M.A., Miami University, 1985  
Ph.D., University of Toledo, 1994

John T. Weispfenning, 1995-  
*Assistant Professor of Communication*  
B.S., Moorhead State University, 1982  
M.S., North Dakota State University, 1985  
Ph.D., Purdue University, 1992

Adele B. Weiss, 1998-  
*Assistant Professor of Education*  
B.S., The Ohio State University, 1974  
M.A., The Ohio State University, 1976  
Ph.D., The Ohio State University, 1984

Eric Werwa, 1997-  
*Assistant Professor of Physics*  
B.S., University of Pennsylvania, 1992  
Ph.D., Massachusetts Institute of Technology, 1997

Dana White, 1993-  
*Associate Professor of Theatre/Dance*  
B.A., Bowling Green State University, 1986  
M.F.A., University of Michigan, 1990

Nancy P. Woodson, 1992- (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



Chihae Yang, 1993-  
*Associate Professor of Chemistry*  
 B.S., Seoul National University, 1977  
 M.S., The Ohio State University, 1980  
 Ph.D., The Ohio State University, 1984

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

Charles E. Zimmerman, 1991-  
*Associate Professor of Religion/Philosophy*  
 B.A., Emory University, 1968  
 M.Div., Emory University, 1971  
 Ph.D., Emory University, 1984

## Faculty and Administrators Emeriti

Paul H. Ackert, 1954-1978  
*Professor of Religion and Philosophy*  
 B.A., Albright College, 1941  
 B.S., United Theological Seminary, 1944  
 M.Ed., University of Pittsburgh, 1950  
 Ph.D., University of Pittsburgh, 1957

Chester L. Addington, 1961-1988  
*Professor of Education*  
 B.S., Ball State Teachers College, 1952  
 M.A., Ball State Teachers College, 1954  
 Ed.D., Indiana University, 1961

Philip E. Barnhart, 1959-1994  
*Professor of Physics/Astronomy*  
 B.A., Manchester College, 1952  
 M.A., Indiana University, 1955  
 Ph.D., The Ohio State University, 1974

Gerald C. Brown, 1988-1994  
*Professor of Business Administration/Economics*  
 B.S., University of Illinois, 1950  
 M.S., University of Illinois, 1955  
 Ph.D., The Ohio State University, 1967

Donald C. Bulthaup, 1963-1993  
*Professor of Physics*  
 B.S., Indiana Central College, 1952  
 M.S., Michigan State University, 1962  
 Ph.D., The Ohio State University, 1972

Helen M. Clymer, 1953-1978  
*Principal of the Laboratory School*  
 B.A., Otterbein College, 1938  
 M.A., The Ohio State University, 1966

Larry E. Cox, 1965-1999  
*Associate Professor of Psychology*  
 B.A., Olivet Nazarene College, 1960  
 M.A., University of Cincinnati, 1972

Marilyn E. Day, 1953-1997  
*Professor of Physical Education Women's Athletic Director*  
 B.A., Otterbein College, 1953  
 M.S., University of Colorado, 1957  
 Ph.D., The Ohio State University, 1968

Rodger F. Deibel, 1965-1989  
*Professor of Education*  
 B.S. Ed., Muskingum College, 1950  
 M.A., Western Reserve University, 1953  
 Ph.D., The Ohio State University, 1971

Charles W. Dodrill, 1958-1991  
*Professor of Theatre*  
 B.A., Glenville State College, 1954  
 M.A., University of Kansas, 1956  
 Ph.D., The Ohio State University, 1965

Lillian S. Frank, 1943-1972  
*Associate Professor of Art*  
 B.A., Oberlin College, 1929  
 M.A., Oberlin College, 1942

Albert K. Germanson Jr., 1963-1997  
*Associate Professor of Art*  
 B.F.A., The Ohio State University, 1956  
 M.A., The Ohio State University, 1963

James A. Grissinger, 1950-1987  
*Professor of Speech*  
 B.A., The Ohio State University, 1947  
 M.A., The Ohio State University, 1949  
 Ph.D., The Ohio State University, 1957

Earl C. Hassenpflug, 1955-1991  
*Associate Professor of Art*  
 B.A., The Ohio State University, 1949  
 M.A., The Ohio State University, 1963

Michael S. Herschler, 1964-1998  
*Professor of Life/Earth Science*  
 B.S., Cornell University, 1958  
 M.S., The Ohio State University, 1961  
 Ph.D., The Ohio State University, 1964



Albert V. Horn, 1952-1990

*Treasurer*

B.A., Otterbein College, 1949

Joyce E. Karsko, 1965-1991

*Professor of Psychology*

B.A., Western Michigan University, 1959

M.A., The Ohio State University, 1960

Ph.D., The Ohio State University, 1979

Michael Kish, 1958-1986

*Director of Admission*

B.S.Ed., Bowling Green State University,  
1943

M.S., Indiana University, 1950

Young W. Koo, 1963-1992

*Professor of Economics/Business  
Administration*

B.B.A., University of Georgia, 1958

M.S., University of Alabama, 1960

Ph.D., The Ohio State University, 1963

John H. Laubach, 1958-1992

*Professor of Political Science*

B.A., Pennsylvania State University, 1953

Ph.D., Harvard University, 1958

Arnold D. Leonard, 1964-1989

*Associate Professor of Earth Science*

B.S., Penn State University, 1948

M.S., Penn State University, 1953

Ph.D., West Virginia University, 1969

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

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

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 Mathematical Sciences*

*John W. 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

Jean K. Spero, 1978-1991

*Assistant Professor of Human Ecology*

B.S., The Ohio State University, 1971

M.S., The Ohio State University, 1974



Mildred L. Stauffer, 1964-1987  
*Professor of Education*  
B.E., San Jose State College, 1955  
M.A., San Jose State College, 1957  
Ph.D., The Ohio State University, 1973

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*

Chester R. Turner, 1966-1984  
*Director of Church Relations*  
B.A., Otterbein College, 1943  
B.D., United Seminary, 1949  
M.Div., United Theological Seminary, 1949

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

Lucia Villalon, 1964-1991  
*Assistant Professor of Spanish*  
B.A., Instituto Pre-Universitario de Santiago de Cuba, 1946  
Doctorate in Philosophy and Letters, University of Cuba, 1951  
M.A., The Ohio State University 1970

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

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

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

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

## Adjunct Faculty

John Devlin, 1988-  
*Dance Instructor Theatre/Dance*

Wendy N. Johnston, 1995-  
*Assistant Professor of Life/Earth Science*  
B.S., Duke University, 1986  
Ph.D., Northwestern University, 1992

James E. Stahl, 1974-  
*Columbus and Metropolitan Parks Department of Life/Earth Science*

Peter S. Wilson, 1992-  
*Director of Westerville Civic Symphony Department of Music*

## Academic Staff

Timothy D. Allwein, 1995-  
*Assistant Technical Director - Theatre/Dance*  
B.F.A., The Ohio State University, 1991



Judy Christian, 1985-  
*Laboratory Supervisor - Life/Earth Science*  
B.S., B.A., Otterbein College, 1961  
M.S., University of Wisconsin, 1963

Lucy H. Cryan, 1994-  
*Director of Equestrian Studies - Equine Science*  
B.A., Otterbein College, 1986

Brian G. Falck, 1997-  
*Audience Services Director - Theatre/Dance*  
B.S., Elizabethtown College, 1995  
M.S., Drexel University, 1996

Charles Goodwin, 1998-  
*Head Athletic Trainer/Clinical Instructor, 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

A. Wallace Hood, 1995-  
*Head Football Coach - Health and Physical Education*  
B.A., Ohio Wesleyan University, 1957  
M.Ed., Kent State University, 1966

Stella Kane, 1996-  
*Dance Coordinator*

Fredrick Marsh, 1999-  
*Visiting Academic Teaching Staff - Art*  
B.F.A., The Ohio State University, 1980  
M.F.A., The Ohio State University, 1984

David A. McLaughlin, 1989-  
*Assistant Football/Head Golf Coach - Health and Physical Education*  
B.A., Mount Union College, 1983  
M.A., Michigan State University, 1987

James Peters, 1995-  
*Assistant Athletic Trainer/Clinical Instructor - Health and Physical Education*  
B.S., University of Michigan, 1990  
M.Ed., Clemson University, 1993

Deborah A. Quackenbush, 1998-  
*Head Women's Softball Coach - Health and Physical Education*  
B.A., Alma College, 1995  
ATC/M.Ed., Bowling Green State University, 1997

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

Denise L. Shively, 1993-  
*Academic Teaching Staff - Communication*  
B.A., The Ohio State University, 1973  
M.A., Central Michigan University, 1983

David J. Stucki, 1996-  
*Academic Teaching Staff - Mathematical Sciences*  
B.S., Wheaton College, 1987  
M.S., The Ohio State University, 1989

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-  
*Head Volleyball Coach - 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

Daniel C. Thompson, 1978-  
*Associate Dean for Academic Affairs/ Director of Institutional Research*  
B.A., Otterbein College, 1978  
M.B.A., Capital University, 1992



## 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 Specialist*  
B.A., Leeds University, England, 1968  
M.A., The Ohio State University, 1993

Barbara J. Verducci, 1991-  
*Reading/Writing Specialist/Lecturer*  
B.S., Ohio University, 1971  
M.A., The Ohio State University, 1975

## Continuing Studies

John L. Kengla, 1986-  
*Director of Continuing Studies*  
*Assistant Professor of English*  
B.S.Ed., Indiana University of  
Pennsylvania, 1967  
M.A., Indiana University of Pennsylvania,  
1972

Ruth A. Chavez, 1992-  
*Continuing Studies Nursing Advisor*  
B.S., The Ohio State University, 1975  
M.S., The Ohio State University, 1978

Allison M. deNijs, 1997-  
*Corporate Relations Representative*  
B.S., Otterbein College, 1996

Cynthia A. Jones, 1998-  
*Assistant Director of Continuing Studies*  
B.S., Otterbein College, 1998

## Graduate Programs

Ann R. Rottersman, 1992-  
*Director of Graduate Programs*  
B.A., University of Kentucky, 1980  
M.A., The Ohio State University, 1988

Peggy Sibila, 1999-  
*Assistant Director of Graduate Programs*  
B.A., Walsh University, 1988  
M.A., The Ohio State University, 1998

## Grants and Special Projects

Nancy Nikiforow, 1995-  
*Director of Grants and Special Projects*  
B.S., Cleveland State University, 1979

## Information Technology

John Lateulere, 1997-  
*Director of Information Technology*  
B.A., University of Notre Dame, 1969  
M.A., John Carroll University, 1977

Tamara Anaya, 1998-  
*Computer Facilities Manager*  
DeVry Institute of Technology, 1998

Debra A. Crouse, 1991-  
*Administrative Computer Specialist*  
B.A., Otterbein College, in progress

Don Grate, 1986-  
*Network Operations and Systems Analyst*  
B.S., Otterbein College, 1986

Jon P. McClintock, 1989-  
*Administrative Systems Manager*  
B.A., Otterbein College, 1988

Vesna Sarafov, 1998-  
*Programmer/Analyst*

Carol Taylor, 1983-  
*Coordinator of Administrative Computing*  
B.A., Otterbein College, 1966

Aaron Thompson, 1994-  
*PC Support Coordinator*  
B.A., Otterbein College, 1994

Terri Tracy, 1994-  
*Information Technology Support Specialist*

Roger Wiley, 1955-  
*Senior Programmer/Analyst*  
B.S., Otterbein College, 1952  
M.S., The Ohio State University, 1959

Herb Wright, 1997-  
*Programmer/Analyst*  
B.A., Butler University, 1961  
M.S., Ohio University, 1964



## Instructional Support Services

David Stichweh, 1979-  
*Director of Instructional Support Services*  
B.A., Otterbein College, 1967  
M.Div., United Theological Seminary,  
1970

Willie Franklin, 1983-  
*Technical Specialist*  
Diploma, Ohio Institute of Technology,  
1983  
A.D., DeVry Institute, 1991

## Library

Lois F. Szudy, 1990-  
*Director of Library, Assistant Professor*  
B.A., Miami University, 1975  
M.L.S., Indiana University, 1976

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

Jessica Mize, 1994-  
*Circulation Supervisor*  
B.A., Marietta College, 1993

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, Associate Professor*  
B.A., Western College, 1974  
M.A., The Ohio State University, 1975  
M.L.S., Indiana University, 1979

Jane Wu, 1997-  
*Government Publications/Systems*  
*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

Janet F. Wieland, 1972-  
*Senior Assistant Registrar for Transfer*  
*Services*  
B.A., Otterbein College, 1986

## 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

Margaret M. 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

Robert E. Chilton, 1997-  
*Assistant Director of Career Services/*  
*Residence Hall Director*  
B.A., Wright State University, 1994  
M.A., Wright State University, 1995

Larry Hunter, 1992-  
*Director of Security*  
B.S., Park College, 1988



- Joyce Jadwin, 1989-  
*Assistant Dean of Students/Director of Residence Life*  
B.A., Otterbein College, 1989  
M.A., The Ohio State University, 1991
- Darryl Peal, 1993-  
*Assistant Dean of Students/Coordinator of Ethnic Diversity*  
B.A., Ohio Wesleyan University, 1985  
M.S.S., Ohio University, 1991
- Kelley M. Shively, 1997-  
*Director of Leadership Development/Coordinator of Fraternity & Sorority Life*  
B.A., Ohio University, 1995  
M.A., The Ohio State University, 1997
- Rebecca F. Smith, 1981-  
*Associate Dean of Students/ Director of Campus Center*  
B.A., Otterbein College, 1981  
M.A., Bowling Green State University, 1984
- 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
- Philip F. Bovenizer, 1980-  
*Associate Director of Financial Aid*  
B.M.E., Otterbein College, 1979
- Stephanie Chittum, 1998-  
*Assistant Director of Admission*  
B.A., The Ohio State University, 1993  
M.A., The Ohio State University, 1995
- Mary Kay Freshour, 1988-  
*Assistant Director of Financial Aid*  
B.A., Otterbein College, 1996
- Darcie Gribler, 1998-  
*Admission Counselor*  
B.A., Otterbein College, 1997

- Catherine M. Johnson, 1980-  
*Director of Admission*  
B.S.E., Northern Illinois University, 1975  
M.A., Northwestern University, 1979  
Ph.D., Ohio University, 1998

- Mark Moffitt, 1998-  
*Assistant Director of Admission*  
B.S., Ohio University, 1992  
M.A., Ohio University, 1996

- Mary M. Mosca, 1994-  
*Assistant Director of Financial Aid*  
B.A., Otterbein College, 1986

- Grace Poling, 1996-  
*Assistant Director of Admission*  
B.A., National Sun Yat-Sen University (Taiwan), 1990  
M.A., Western Evangelical Seminary, 1992

- Lavona See, 1991-  
*Associate Director of Admission*  
B.S., The Ohio State University, 1987  
M.A., The Ohio State University, 1991

- Matt Stephens, 1998-  
*Admission Counselor*  
B.A., Otterbein College, 1992

- 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

- Sherri Wintringer, 1994-  
*Assistant Director of Admission*  
B.A., Wittenberg University, 1994  
M.A., Otterbein College, 1998

- Thomas V. Yarnell, 1986-  
*Director of Financial Aid*  
B.A., Marietta College, 1976

## 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

Salvador J. Ramirez, 1995-  
*Director of Human Resources*  
B.A., Bowling Green State University,  
1985

Grace M. Ross, 1973-  
*Assistant Director of Human Resources*

## Service Department

Kevin S. Miner, 1994-  
*Director of Physical Plant*  
B.S., Brigham Young University, 1983

David Bell, 1974-  
*Superintendent of Utilities*  
B.A., Otterbein College, 1974

Mark Ewing, 1986-  
*Maintenance Superintendent*  
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 Development*  
B.S.Ed., Otterbein College, 1962  
M.S., University of North Dakota, 1967

Jennifer Beharry, 1998-  
*Director of Annual Giving*  
B.A., Denison University, 1997

Michael W. Christian, 1985-  
*Director of Church/Constituency Relations*  
B.A., Otterbein College, 1961  
M.Div., United Theological Seminary,  
1966

Antoinette Hale, 1988-  
*Assistant to the VP for Institutional Advancement*  
B.A., Ohio Dominican College, 1973

E. Gregory Johnson, 1990-  
*Director of Alumni Relations*  
B.S., Campbellsville College, 1971

Tracy Rush, 1994-  
*Director of Advancement Research*  
B.A., University of Evansville, 1988

Susan Wilson, 1997-  
*Director of Capital Giving*  
B.A., Denison University, 1973

## College Relations

Patricia Kessler, 1985-  
*Executive Director of College Relations*  
B.A., Pennsylvania State University, 1960  
M.A., The Ohio State University, 1981

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



Notes



the informal interaction of faculty with residence hall students. It strives to support faculty/student interaction outside of the classroom environment through residence hall programming. Specifically, the Faculty Associate Program enables faculty and students to forge a co-curricular relationship of learning. The program provides both students and faculty with new avenues of communication, new perspectives on educational processes, and enjoyable ways to bridge what seems to most faculty and students alike as an unavoidable distance between their experiences. For more information, check our website: [www.otterbein.edu/student/housing](http://www.otterbein.edu/student/housing).

## **Athletics and Recreation**

### **Intercollegiate Athletics**

Otterbein College is a member of the Ohio Athletic Conference (OAC). Founded in 1902, the OAC is the third oldest organization of its kind in the nation.

The Cardinal intercollegiate teams are an integral part of Otterbein. Men compete in nine varsity sports: football, soccer, cross-country, basketball, indoor and outdoor track, baseball, tennis and golf. Women compete in eight varsity sports: basketball, cross-country, indoor and outdoor track, volleyball, softball, soccer and tennis. We anticipate the addition of women's golf in 1999-2000.

Otterbein men compete in volleyball at the club level. In addition, there is a very successful intercollegiate coed equestrian team.

### **Recreational Sports**

Most students participate in recreational sports; the majority through the organized intramural program and others schedule on their own.

Otterbein's intramural program includes women's programs in basketball, softball and volleyball. Men's programs include: flag football, basketball, volleyball, and softball. Coed activities include: aerobics, golf, walleyball, basketball, handball, racquetball, badminton and softball.

The Rike Physical Education/Recreation Center houses basketball, volleyball, handball and racquetball courts, weight room, a tartan track, seven badminton courts and three tennis courts. Outdoor facilities include four lighted tennis courts, beach volleyball court, softball diamond, soccer field, practice fields, outdoor track and a cross-country course.

Hoover and Alum Creek Reservoirs are nearby. Both provide picnic areas and a place for sailing and boating. Alum Creek Reservoir provides a large beach and a swimming area plus water skiing. The City of Westerville has many parks, one adjacent to the campus includes a shelter house, softball diamond, outdoor basketball courts and a beach volleyball court. Nearby Alum Creek is a sheltered site for canoeing. The Jaycees Swimming Pool is open for student memberships at a reduced price.

## **Performance Activities**

### **Bands**

The Cardinal Marching Band of 90 members includes the O-Squad drill team, twirlers, flag corps, and color guard. The band performs at home football games, civic occasions and festivals.