

# OAKLAND UNIVERSITY

## Volume 1

**Policies and Procedures  
College of Arts and Sciences (CAS part 1)**

## 2019-2020 UNDERGRADUATE CATALOG

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All data in this catalog reflect information as it was available at the publication date. Oakland University reserves the right to revise all announcements contained in this publication at its discretion and to make reasonable changes in requirements to improve or upgrade academic and non-academic programs.

The academic requirements described in this catalog are in effect fall semester 2019 through summer semester 2025. Undergraduate students admitted to a degree-granting program may use provisions in this catalog to meet requirements within that time frame.

# Introduction

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Oakland University is a nationally recognized, public university offering students a personal, high-quality, affordable education through a diverse combination of liberal studies, professional instruction, and cultural and social experiences.

Recognized as one of the country's 83 doctoral research universities by The Carnegie Foundation for the Advancement of Teaching, Oakland University offers its more than 19,000 students opportunities to work directly on research projects with expert faculty who bring current knowledge right to the classroom. In all its activities, Oakland University strives to exemplify educational leadership. Anchored by a strong liberal arts program, the university is organized into the [College of Arts and Sciences](#), schools of [Business Administration](#), [Education and Human Services](#), [Engineering and Computer Science](#), [Health Sciences](#), [Nursing](#) and [The Honors College](#).

The university's full-time faculty, which numbers more than 700, has a distinguished record of research and scholarship. Faculty members have won some of the most prestigious awards made by government agencies and private foundations. Oakland received more than \$39 million in grants and funding for research efforts across multiple disciplines in the 2017-18 fiscal year. Studies in biological and physical sciences and nondestructive testing attract national and international attention to Oakland University. Its highly recognized [Eye Research Institute](#) is the only major eye research center in the United States not associated with a medical school. The [Center for Biomedical Research](#) resides in the College of Arts and Sciences and facilitates collaborative biomedical research projects with core facilities and equipment. The [Oakland University William Beaumont School of Medicine](#), Michigan's first new M.D.-granting (allopathic) medical school in 47 years, earned full LCME accreditation and enrolls a total of 475 students.

The university takes pride in the many scholarly books and articles written by its faculty and in its contributions to pedagogy and the creative arts. Undergraduate students at Oakland University are involved in high-level research projects, and the results of their research and scholarship are integrated into related courses of instruction. An unusually high proportion of Oakland University alumni have gone on to earn doctoral degrees or other distinctions in their fields.

Complementing its academic programs, Oakland University collaborates actively with business and industry to foster economic development and meet the demands of a highly educated workforce in southeastern Michigan. The university offers world-class cultural activities with emphasis on the professional performing arts. [Meadow Brook Hall](#), former home of the university's benefactors, is a National Historic Landmark and serves as an historic museum and cultural center. Affiliated with the Department of Art and Art History in the College of Arts and Sciences, Oakland University Art Gallery exhibits promise something new for art enthusiasts of all ages, interests and passions. Founded on Oakland's campus in 1967, [Meadow Brook Theatre](#) is Michigan's largest non-profit producing

professional theatre. [Meadow Brook Amphitheatre](#) brings an annual summer program of world-class entertainment to campus.

Oakland University was created in 1957 when the late Alfred G. and Matilda R. Wilson donated \$2 million and their 1,500-acre estate to Michigan State University to begin a new college in Oakland County. Named Michigan State University-Oakland, the new campus enrolled its first students in 1959. In 1963 its name was changed to Oakland University and in 1970 the Michigan Legislature recognized the maturity and stature of the university by granting it autonomy. The governor appointed Oakland University's first board of trustees in 1970.

From its beginnings, the university has emphasized academic quality, providing a dynamic, student-focused learning environment with integration of liberal and professional studies by a faculty of dedicated scholar-teachers. Oakland prides itself on providing a unique, distinctive undergraduate experience that is complemented by the strength of graduate offerings and research accomplishments. Oakland is focused on engaging with communities and developing partnerships, broadening its research agenda, providing opportunities for entrepreneurship and continuing its pattern of growth. Located in suburban Oakland County, Michigan, Oakland University is easily accessible to millions of Detroit metropolitan area residents. Oakland's relationship with its hometown communities enriches student lives. Through partnership efforts with the cities of Rochester, Rochester Hills, Auburn Hills, and Pontiac many internship opportunities are available to Oakland students and many merchants offer discounts for OU students, alumni and staff. More than 25 Oakland University degree programs currently serve nearly 1,100 students at the [Macomb University Center](#), [Macomb Intermediate School District](#) and the [Anton-Frankel Center](#). The [Wayne State University Law School](#) is the exclusive educational partner law school for Oakland University, making law school accessible to students from southeastern Michigan.

The natural beauty of Oakland's 1,443 acre campus, much of it still wooded and undeveloped, is enhanced by comprehensive recreational facilities and modern buildings that house the university's many academic and public service programs as well as more than 2,700 residential students in its six co-ed residence halls, student apartment complexes and townhomes. Adjacent to the campus is the Oakland Technology Park, a research park where private-sector companies work hand-in-hand with higher education. The [OU SmartZone](#) business incubator, OU INC, provides entrepreneurial resources and strategic business solutions to develop intellectual property. Student research and internship opportunities are also enhanced by the proximity of many Fortune 500 companies.

### **Role and Mission**

Oakland University is a preeminent metropolitan university that is recognized as a student-centered, doctoral research institution with a global perspective. We engage students in distinctive educational experiences that connect to the unique and diverse opportunities within and beyond our region. Oakland University cultivates the full potential of a diverse and inclusive community. As a public doctoral institution, we impact Michigan and the world through education, research, scholarship and creative activity.

Through faculty-driven and student-engaged research, scholarship, and creative activity, Oakland University advances knowledge and art in a diverse and inclusive environment. Oakland University is an active community partner providing thriving civic, cultural, and recreational opportunities and valuable public service.

## **Instruction**

Oakland University provides rigorous educational programs. A strong core of liberal arts and sciences is the basis on which undergraduates develop the skills, knowledge and attitudes essential for successful living and active, concerned citizenship. A variety of majors and specialized curricula prepare students for post baccalaureate education, professional schools, or careers directly after graduation. Each program provides a variety of courses and curricular experiences to ensure an enriched life along with superior career preparation or enhancement.

The University offers master's programs that meet demonstrable needs of Michigan residents and that maintain excellence. Doctoral programs are offered that are innovative and serve needs that are not adequately met elsewhere in the state.

Offerings in continuing education provide Michigan residents with high-quality coursework for professional development and personal enrichment.

Oakland University is selective in its admission standards and seeks both traditional and nontraditional students, ensuring equal opportunity to all who can profit from its offerings. While serving principally Michigan residents, it welcomes qualified applicants from other states and countries. A special effort is made to locate and admit disadvantaged students with strong potential for academic success and to provide the support conducive to the realization of that potential. The faculty and staff cooperate with nearby community colleges to ensure that their students who seek to transfer to Oakland University are well prepared for work at a senior college.

In recruiting and admitting students, enrollments are not permitted to exceed numbers consistent with preserving the high quality of instruction.

The University strives to remain current and relevant through an adequate program of continuing faculty development and the exploration of innovative schedules, methods, and curricular design in keeping with the various needs of its diverse students, many of whom commute, work or are older than the traditional college-age student.

Oakland University offers, and will continue to offer, only those programs for which adequate resources and well prepared faculty are available and for which a demonstrable need is expressed through the attraction of qualified students.

## **Research and scholarship**

Oakland University assumes an obligation to advance knowledge through the research and scholarship of its faculty and students. The University's research and scholarship mission takes expression in a variety of forms ranging from basic studies on the nature of things to applied research directed at particular problems to contributions to literature and the arts. Within its means, the University provides internal financial support for research and scholarship. Simultaneously, it pursues with vigor external sources of support. Research institutes, financed primarily by outside grants, make an important contribution to this mission.

In addition to their intrinsic value, research and scholarship reinforce the instructional mission of the University. Wherever possible, students are involved in research projects, and the results of research and scholarship are integrated into related courses of instruction.

In carrying out its research and scholarship mission, the University seeks especially to be responsive to the needs of Michigan, particularly of the populous southeastern sector. Application of research and scholarship to problems and concerns of the state's business and industry and to its scientific, educational, governmental and health and human service agencies serves also to reinforce the public service role of the University.

### **Public service**

Oakland University serves its constituents through a philosophy and program of public service that are consistent with its instructional and research and scholarship missions. It cooperates with businesses, governmental units, community groups and other organizations on research, technical development, and problem-solving enterprises in an attempt to apply the expertise of the University to the issues of society in general or the region in particular so as to further enhance the quality of life in the service areas of the University. It attempts to maintain the degree of flexibility necessary to respond with innovative instruction, research, and other service to rapidly changing needs. It makes its facilities available for a multitude of activities to agencies and community groups whose purposes are compatible with the mission of the University. It provides access to its programs and campus, insofar as is consistent with the role and scope of the institution, for the recreational and physical enrichment of area citizens. Cultural enrichment is provided for the community through the Meadow Brook enterprises, on and off-campus presentations by faculty and students, and other campus events. The University aims to provide a model of socially responsible decision-making and ethical institutional behavior, recognizing that institutional strength derives from an effective interaction with the institution's diverse external environs.

### **Student development**

In direct support of its academic mission, Oakland University provides basic services and experiences that integrate cognitive learning with the personal growth of the individual student in the emotional, social, physical, cultural, ethical and interpersonal domains. In so doing, the University seeks to facilitate the development of those personal skills that will contribute to informed decision making and productive citizenship. This objective is accomplished through a variety of student enterprises, including campus organizations, athletics and other sponsored activities and events.

Key to its achievement is the provision of a governance system in which students play a meaningful role in institutional decision making processes.

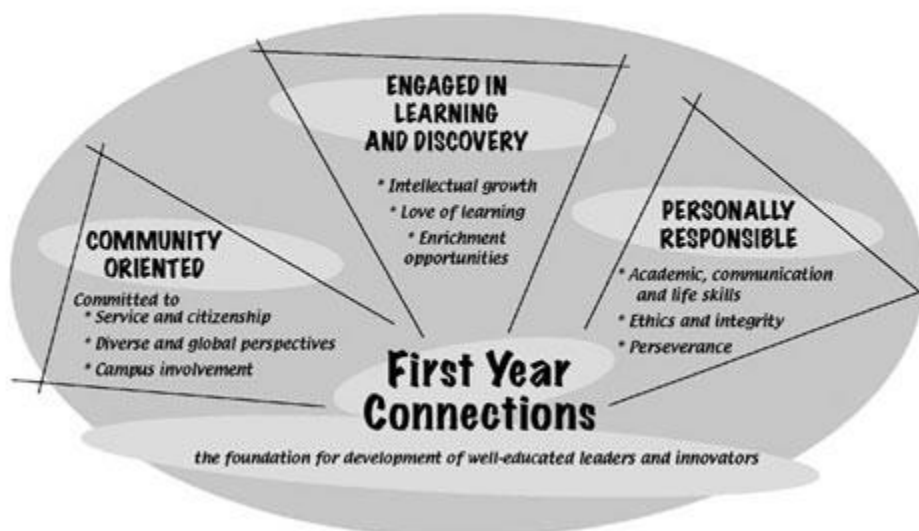
The University takes particular cognizance of its considerable enrollment of older and nontraditional students and provides advising, counseling and other services of special value to such students in effecting career changes and developing additional personal competencies. Through the maintenance of complementary academic and extracurricular environments, Oakland University assists students in the realization that life is a continuum of growth, change and adaptation and provides them with the skills essential to the achievement of their fullest potential.

Oakland University is accredited by the [Higher Learning Commission](#).

### **First Year Philosophy**

The first year experience at Oakland University lays the foundation for student success by creating an environment that encourages intellectual growth and embraces learning as a lifelong pursuit. OU emphasizes personal responsibility, perseverance, and involvement in the campus and wider communities. Students are encouraged to behave ethically, to explore diverse perspectives, and to develop global awareness through strong academic programs enriched by activities and events.

## First Year Students at Oakland University:



### First Year Student Goals

#### Learning and discovering

Goal: During the first year, students will engage in the process of intellectual growth, recognize and value the lifelong learning process, engage in dialogue and civil discourse, and learn to tolerate uncertainty and challenge.

To help achieve this goal, students should:

- explore a range of academic opportunities;
- develop the ability to read and write at a college level;
- respect the ideas of others;
- interact with and ask questions of faculty;
- learn to explore knowledge with an open mind; and
- achieve sophomore status by the end of the first year.

#### Personal responsibility

Goal: During the first year, students will set and actively pursue goals, make ethical decisions, act with integrity, and take responsibility for developing their academic, communication, and life skills.

To help achieve this goal, students should:

- maintain high standards of academic conduct;
- learn to recognize and avoid plagiarism by giving credit to the ideas of others;
- attend class regularly;

- develop a habit of doing homework and devoting sufficient time to study;
- explore options and evaluate the choice of a major;
- make and keep advising appointments;
- become aware of campus resources and use them;
- seek out positive role models; and
- maintain personal well-being and a healthy lifestyle.

### **Community orientation**

Goal: During the first year, students will value service and citizenship, embrace diverse and global perspectives, and engage in the campus community.

To help achieve this goal, students should:

- network with faculty and staff;
- develop study groups and friendships;
- take courses together in a peer group;
- interact with people from different cultures and backgrounds;
- participate in campus organizations and activities outside of class; and
- learn the importance of volunteerism and social engagement.

## **Academic Policies and Procedures**

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### **Student Responsibility**

Students are expected to learn all general requirements of the university, as well as those of the program of their chosen field of study. Students are responsible for meeting all requirements and regulations for the degrees they seek.

Facilities and staffing limitations require that certain professional programs place limits on the number of students admitted to major standing. Where such limits exist, the principal admission criterion is academic performance in coursework prerequisite to application for major standing. Additional information concerning application for major standing in programs with enrollment limits is contained in the individual program descriptions elsewhere in this catalog.

### **Academic Advising**

The mission of [academic advising](#) at Oakland University is to empower students as they identify, pursue, and achieve goals that prepare them to lead and serve in local and world communities. This is a continuous process of discovery, clarification, and evaluation, whereby Professional Academic Advisers partner with students to identify possibilities, assess alternatives, and weigh the consequences of decisions.

Students first meet a Professional Academic Adviser at orientation and are encouraged to seek individual advising as early in their programs as possible and meet with their Professional Academic Adviser at least once a year thereafter. Students may locate their Professional Academic Advisers by consulting the list of school and departmental advising offices displayed on the [Advising website](#). Faculty advisers are also available in many majors. In general, appointments are scheduled in advance once

students contact their respective advising office. Walk-in advising is also available at certain times throughout the academic year.

### **Assessment**

Oakland University is committed to the continuous improvement of its programs and services through an on-going process of self-assessment linked to action steps for improvement. Examples of common assessment activities include surveys, pre- and post-tests, course assignments, focus groups and interviews. Students can expect to participate in the assessment activities of various academic and student service units both as students and, later, as graduates of Oakland programs.

### **Assessment of student learning outcomes**

Oakland University is committed to improving the quality of all of its degree programs. One way this is accomplished is by ongoing assessment of student learning outcomes. All degree programs have a set of unique goals and learning objectives they want students to achieve in their major programs. How well students are achieving the goals of their degree program goals is measured through assessment activities conducted throughout the academic year.

The results of assessment activities are used to improve programs and make curricular changes to maximize student learning outcomes. Assessment results inform departments of how well their current curriculum (courses, degree requirements, and other activities offered by the program) equips students to perform successfully within their major area. Assessment is also used to measure the ability of General Education courses and other experiences to provide a wide range of general knowledge and skills necessary for success in any career and throughout a lifetime. Ongoing assessment activities also allow programs to track and compare the quality of their programs from year-to-year and to measure the success of curricular changes designed to improve program quality. Assessment results are also used to identify program needs and to support requests for additional resources.

As a student, you can expect to participate in assessment activities from time-to-time as part of your degree program requirements. Some assessment activities might include: student surveys, examinations, evaluation of course papers and projects, entrance and exit interviews, and portfolios of students' work throughout their major program. The activities are different for every degree program because each program has its own unique set of goals and learning objectives. They are designed to measure each program's learning objectives in the best possible way.

### **Course and Credit System**

Undergraduate students may register for up to 18 credits without permission. To register for more than 18 credits, the student should submit the Permission to Exceed Maximum Credits form to their academic adviser. Students must have completed 12 or more credits at Oakland University and have a cumulative grade-point average of at least 2.60 to make a request. College guest students or post-baccalaureate students can submit directly to the Office of the Registrar.

<b>Credits</b>	<b>Permission/Routing</b>
0-18	No permission required
19-21	Academic Adviser, then routed to the Office of the Registrar for processing.



22+	Academic Adviser, then routed to Office of the Registrar for second approval. Student will be emailed if the request has been approved or denied.
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For purposes of awarding academic credit for courses and programs at Oakland University, a credit hour shall be consistent with federal guidelines and is an amount of work represented in intended learning outcomes and verified by evidence of student achievement. The OU-established equivalency reasonably approximates and is not less than:

1. One credit hour consists of 50 minutes of classroom or direct faculty instruction (synchronous or asynchronous) and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester hour of credit; or
2. At least an equivalent amount of work as required in #1 above of this definition for other academic activities as established by the institution including laboratory work, internships, practica, field work, clinical work, studio work, and other academic work leading to the award of credit hours.

Regardless of their duration, courses contain the same total number of credit hours as if they were scheduled for at least a 15-week semester.

#### Title IV Courses - Duration cannot exceed full 15-week

#### **Class standing**

For university purposes, class standing is set at the following numbers of credit hours: students have freshman standing through completion of 27 credit hours, sophomore standing through completion of 55 credit hours, junior standing through completion of 90 credit hours, and senior standing when they have completed 91 credit hours or more.

#### **Regulations governing courses**

1. A course sequence joined by a hyphen (e.g., [FRH 1140-FRH 1150](#)) must be taken in the order indicated. The first course in such a sequence is a prerequisite to the second.
2. Course numbers separated by commas (e.g., [HST 1100, HST 1200](#)) indicate related courses that may be taken in any order. However, departmental or program requirements may sometimes govern the order.
3. Course numbers 0000-0499 are designated for skill development courses specially designed to aid incoming students with significant deficiencies in their academic background in preparing for courses numbered 1000 and above. Credits earned in these courses cannot be used to satisfy minimal graduation requirements in any academic program. Grades earned in these courses, however, are included in students' grade-point averages. Course numbers 0500-0999 are for courses specially designed to enrich academic skills. No more than 16 credits in courses

numbered 0500-0999 may count toward graduation requirements. Courses numbered 1000-2999 are introductory undergraduate courses primarily for freshmen and sophomores.

4. Courses numbered 3000-4999 are designed for juniors and seniors. Courses numbered 5000 and above are primarily for graduate students. Qualified undergraduates may enroll in a class numbered 5000-5999 provided they have obtained an override from the department chair and the course instructor. Only graduate students are eligible to elect courses numbered 6000 and above. Consult the [Financial Aid Office](#) for the implications.
5. The University reserves the right to cancel any course in which there is insufficient registration.
6. Prerequisite courses must be completed prior to enrollment in courses for which they are listed. Co-requisite courses must be taken simultaneously. It is the student's responsibility to complete all prerequisites prior to the start of a course with such requirements and to register for co-requisites as indicated in the catalog. Departments may waive prerequisites in accordance with academic unit policy.
7. Some courses are cross-listed among departments. In such cases, the course description is listed only in one department. The listing in the other department notes that the course is identical with the course in the primary department. When registering, students should select the listing under which they wish to receive degree credit.

### **Course competency**

Students may receive credit toward graduation designated as competency credit (graded S/U) on their transcripts for Oakland University courses, subject to the following provisions:

1. That they register for the course at registration with written permission of the departmental chairperson, dean or program director of the academic unit responsible for the course.
2. That they pass an appropriate competency examination not more than six weeks after the term begins. Competency credit will not be permitted for a course when a student has received credit for more advanced courses in the same area.
3. The repeat course rule applies to the repeating of competency examinations (see Repeating Courses).
4. That they pay the appropriate charges.

Students may apply up to 60 credits based on [non-classroom experience toward a degree program](#). Students seeking second degrees are limited to 16 credits of non-classroom experience. Students may apply non-classroom experience (course competency, Advanced Placement, IB and/or CLEP credits) to satisfy [General Education Requirements](#).

### **Adjusting courses (drop and add)**

Courses may be dropped with full refund through the 10th weekday of classes in second week of a full semester and the 5th weekday first week of a half semester. Courses may be dropped without academic penalty through the ninth week in a full semester and the fifth week of a half semester. A "W" grade denoting withdrawal is recorded for courses dropped after the second week in full semesters and after the first week in half semester. Failure to drop a course on or before the appropriate drop deadline will result in the recording of an F grade on the student's record. Courses of other lengths have specific refund and withdrawal dates which are available [online](#).

### **Auditing courses**

A formal audit option is available for students who wish to participate in a course on a non-graded basis. With written permission of the instructor, students may register to audit a course during the late registration period for each semester or session. Forms for auditing classes are [available online](#). Audit registrations are governed by the following rules:

1. Regular tuition applies to all courses.
2. The registrar will assign the final mark of Z to all formal audits. If a student pays tuition for regular credit, he or she cannot switch to auditing the course.
3. Changes of registration from credit to audit or from audit to credit will not be permitted once the late registration period has ended for a given semester (two weeks into the term).
4. Students who wish to audit courses must have been admitted to the University by Undergraduate Admissions.
5. Students whose entire registration for a semester consists of formal audits must register during late registration.

### **Repeating courses**

Students may repeat a course to improve the grade earned in a prior enrollment, but they must do so at Oakland University. Check with [Student Financial Services](#) for ramifications. The limit is three attempts at any individual course, including the initial attempt, and excluding drops or withdrawals. The repeat course must be taken on the same grading basis (alpha or pass/fail) as the first attempt. Because some programs have more stringent limits, students should consult an adviser before registering to repeat a course. Students should be aware that the most recent grade will be the grade of record whether or not it is the highest grade earned.

Students whose programs allow courses to be repeated at other institutions will not receive transfer credit if Oakland University credit has been earned, nor will they improve their Oakland grade-point average. Students must consult an adviser in the major program before registering to repeat a course elsewhere.

Oakland University transcripts will reflect grades earned in all Oakland courses. For repeated courses, the attempts excluded from the grade-point average will be marked with an "E" and the grade of record will be marked with an "I" designating inclusion in the grade point average. Transfer students who successfully repeat a course at Oakland for which transfer credit has been awarded will lose the transfer credit. Credit is not given for more than one course covering specific content, which means that most courses can be taken only once. Certain courses, however, generally representing special topics or independent studies, are designed to vary from semester to semester. The Undergraduate Catalog states the applicable credit limit for such courses.

### **Degree Requirements**

Undergraduate degree requirements are of two kinds: general degree requirements determined by the university to be binding on all baccalaureate programs and specific degree requirements established by

the various academic units that offer degree programs. Students may choose to meet graduation requirements as presented in any catalog in effect since their matriculation at Oakland University, providing it is not more than six years old at the time of graduation. They also may follow separate catalogs for general and specific requirements, subject to the limitations described below.

An academic unit may require that students changing majors into its programs from another major or undecided status follow both major and college or school requirements (if applicable) from the catalog in effect at the time of change. (A change from pre-major to major standing in the same field does not constitute a change of major). The catalog chosen for the student's major will also be used to determine degree requirements for any minor or concentration the student may be pursuing unless a written plan of study has been approved by the department or school offering that program. Students may choose one catalog for their degree requirements, and may choose a different catalog for any minors or concentrations.

Some academic units require that students file an approved plan of study for a concentration or minor in order to complete program requirements; those that do so stipulate this requirement in the appropriate section of this catalog. Forms for planning and approval of a minor or concentration are available from the advising offices. If the academic unit establishes no such requirement, students are still entitled to negotiate a minor or concentration in writing with the program coordinator. Written plans are particularly encouraged for those students using transfer courses to satisfy some portion of the program. A plan of study may be based on any catalog in effect at time of filing, but not one predating the student's enrollment at Oakland University. Changes to an approved plan require prior written authorization from the concentration or minor coordinator.

Students may meet degree requirements by earning a passing grade in the course, by passing a competency examination or by receiving transfer credit from another institution. In certain circumstances, a requirement may be formally waived through a successful Petition of Exception.

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### **Undergraduate degree requirements**

Oakland University has established general undergraduate degree requirements applicable to all candidates for all undergraduate degrees. In order to earn a baccalaureate at Oakland University, students must satisfy the following requirements:

1. General Education: All students must complete the [General Education Requirements](#), including at least one course (three or more credits) from the list of approved courses offered in each of the following 10 knowledge areas: Writing, Formal Reasoning, Arts, Foreign Language and Culture, Global Perspective, Literature, Natural Science and Technology, Social Science, Western Civilization, and Knowledge Applications. Note that courses in these knowledge areas may not double count with each other. Additional general education requirements include U.S. Diversity, Writing Intensive in General Education, Writing Intensive in the Major, and a Capstone, all of which may be met by double counting approved general education courses. It is possible for a course to be triple counted if, in addition to meeting the requirements for Explorations,

Knowledge Applications or Capstone, it also meets the requirements for U.S. Diversity and Writing Intensive in General Education or Writing Intensive in the major. (See course listings below.) Students transferring credit to the university should consult the transfer student information section. The policy stipulated above is considered a minimum credit requirement that academic units may increase for their own students. Students pursuing degrees in the College of Arts and Sciences should refer to the College exploratory requirements section for additional requirements. Students in the School of Engineering and Computer Science should see that section for specific requirements.

2. Specific requirements: Students must select a major or primary field of study and also for some programs, as described in relevant sections of this catalog; they must be admitted to the major by the academic unit offering the program. Students must fulfill all specific undergraduate degree requirements appropriate to their chosen majors as stipulated by the various colleges, schools or other academic units empowered to present candidates for the undergraduate degree(s) over which they have authority. Specializations are groups of related courses within certain major fields; they are options in some major programs; for some other programs, students must select a specialization as part of the major. Concentrations which are groupings of interrelated courses with an interdisciplinary focus, are optional in most programs but required in some. Minors, secondary fields or subject areas of study, are optional. The completion of a Minor/Concentration Authorization form is recommended. Forms for planning and approval of a minor or concentration are available in the advising offices.
3. Application requirement: Degree candidates should select Apply to Graduate under Students Records in SAIL to submit an [Undergraduate Application for Degree](#) prior to the published deadline for the semester of expected graduation.
4. Approvals: Degree candidates must have all petitions approved and all transcripts for coursework applicable to the degree submitted by the end of the second week of intended graduation. Failure to do so may result in removal from the graduation list.
5. Residence requirement: Students must successfully complete a minimum of 32 credits at Oakland University. Oakland University limits residency requirements for active-duty service members, including Reservists and National Guardsmen on active-duty, to no more than 25% of the undergraduate degree program.
6. Grade-point average: Students must have a cumulative grade point average (GPA) of at least 2.0 in courses taken at Oakland University. In certain programs, additional GPA requirements must be met.
7. Upper-level credit requirement: Students must have successfully completed at least 32 credits in courses at the 3000 level or above. Students transferring credits to Oakland University should consult the Transfer student information section.

### **General education**

View the [General Education Requirements](#) program at end of section.

### **Writing requirements**

Students must satisfy the university General Education requirement in the Writing Foundations area by completing [WRT 1060](#) and any required prerequisites ([WRT 1020 - Basic Writing](#) and/or [WRT 1050 - Composition I](#)) or through one of the alternatives below. Outside of the Writing Foundations area, two additional writing intensive courses (one in the General Education program and one in the student's major) must also be completed.

## Writing foundations

Students may fulfill Writing Foundations requirement in any one of the following four ways (NOTE: Only completion of [WRT 1060](#), transfer of course credit, or AP scores of four or five provide credit towards an OU degree, and towards General Education credit requirements):

- a. By Oakland University coursework: Complete [WRT 1060](#) (and any required prerequisites including [WRT 1020](#) and/or [WRT 1050](#)) with a grade of C or better in each course. [Note: Some majors require a higher grade. Please consult with your adviser.] See below for an overview of the placement system.
- b. By exemption from all or part of the required coursework. Exemption may be granted to students as follows:
  - Students who submit an AP English Language and Composition examination score of four or five will be exempt from [WRT 1050](#) and [WRT 1060](#);
  - Students who write and submit a Placement Packet to the Chair of Writing and Rhetoric (see Writing and Rhetoric Placement System portion of the catalog for further information) may be placed in [WRT 1020 - Basic Writing](#), [WRT 1050 - Composition I](#) or [WRT 1060 - Composition II](#). No credit is awarded based on the Placement Packet.
- c. By transfer: Transfer a college level English composition course that meets the learning outcomes of the Foundations Writing area and is equivalent to [WRT 1060](#) (minimum three semester credits). Students who have completed such courses with grades of C or better may submit their transcripts to the Registrar for evaluation.
- d. By exemption portfolio: The deadline for submission of an exemption portfolio is the end of the student's fourth semester at Oakland University (excluding summer semester). Students may submit an exemption portfolio to demonstrate that they have developed the skills to meet the learning outcomes of General Education Foundations Writing at the level of [WRT 1060](#). The exemption portfolio, if successful, exempts students from [WRT 1050](#) and [WRT 1060](#); students must complete four additional credits in General Education courses. The exemption portfolio process requires the submission of a collection of the student's original graded papers from college courses for evaluation by the Writing and Rhetoric department faculty in accordance with the following instructions:

### Exemption portfolio requirements

1. Identification cover page including certification that the portfolio includes the student's own work. Cover sheet and directions available from the Writing and Rhetoric department office, 378 O'Dowd Hall, 248-370-2746 or online at the [Department of Writing and Rhetoric](#).
2. Letter (suggested limit: one page) addressed to the Writing and Rhetoric Department Chair describing the student's writing experience and development. The letter should explain the kinds of writing the student has done and how the enclosed work demonstrates mastery of the skills developed in [WRT 1050](#) and [WRT 1060](#) (see catalog course descriptions).
3. The graded originals of three single-author papers written by the student for college classes (at Oakland University or other accredited institutions). One of these papers must demonstrate that the student can design, conduct and report on a research project using and documenting outside sources in a standard system such as MLA, APA or another clearly identified system

without plagiarism. For the research writing, students should include photocopies or printouts of at least three cited pages from the sources used for the paper.

4. The Exemption Portfolio may only be submitted once.

### **Rhetoric placement system**

The main mechanism used to place students in the [Department of Writing and Rhetoric](#) at Oakland University is the ACT English score, as follows:

- ACT English scores of 15 or below place students in [WRT 1020 - Basic Writing](#).
- ACT English scores of 16-27 place students in [WRT 1050 - Composition I](#).
- ACT English scores of 28 or higher place students in [WRT 1060 - Composition II](#).

WRT 1050; a score four or five on the AP English Language and Composition examination will be exempt from [WRT 1050](#) and [WRT 1060](#).

Students with questions about placement in first-year writing should consult the Department of Writing and Rhetoric, 378 O'Dowd Hall, 248-370-2746, prior to the beginning of the semester in which they plan to enroll in first-year writing. Students are responsible for knowing registration deadlines and understanding the implications of schedule changes for their financial aid. The department is not responsible for a student's loss of financial aid due to schedule changes.

Placement by ACT or SAT score or department override does not provide any course credit, regardless of where students are placed.

### **Additional Undergraduate Degrees and Majors**

Under certain conditions, a student may earn either an additional baccalaureate or a single baccalaureate degree with multiple majors.

For students who have not yet received any baccalaureate degree

In order to pursue two or more Oakland University baccalaureates simultaneously, students must:

1. Meet all specified requirements for each degree program.
2. Complete at least 32 credits at Oakland University beyond those required for the degree requiring the most credits. Of these, at least 16 credits must be at the 3000 level or above.

These degrees must either have separate designations (for example, Bachelor of Arts and Bachelor of Science) or be earned in separate academic divisions (for example, the College of Arts and Sciences and the School of Engineering and Computer Science). Students who meet the requirements for more than one major program but who do not meet the above conditions may receive a single degree with more than one major recorded on their transcripts.

### **For students already holding a baccalaureate degree**

Students already holding a baccalaureate who wish to earn an additional baccalaureate from Oakland University must:



1. Receive written approval from the college or school concerned (and, where appropriate, from the department) as part of the admission process to the new program.
2. Complete at least 32 additional credits at Oakland University.
3. Meet all specific requirements for the new degree as stipulated by the college, school or other academic unit in which the student is a candidate.
4. Second-degree students from regionally accredited institutions are exempt from Oakland University's general education requirements. This does not apply to students educated outside the U.S.

In the case of students holding a baccalaureate from Oakland University, the new degree must have a separate designation or be awarded by a different academic division, as described above. Alternately, students may enroll as post-baccalaureate students and have completion of an additional major recorded on the transcript. Such students must meet all requirements for the additional major.

Students already holding a baccalaureate degree may earn teacher certification in elementary education by being admitted to this program at Oakland University with second undergraduate degree status. For a description of the program, see the Department of Teacher Development and Educational Studies, School of Education and Human Services. Students holding baccalaureate degrees with acceptable majors may earn teacher certification in secondary education by being admitted to this program at Oakland University with second degree status. For a description of this program, refer to Secondary Education, School of Education and Human Services.

### **Petition of Exception**

Any student may request a waiver or modification of specific degree requirements outlined in this catalog. The request should be made on a Petition of Exception form available from the appropriate advising office. Petitions requesting modification of the normal requirements of a major should be directed to the chairperson of the major department, while those addressing university-wide undergraduate degree requirements should be returned to the adviser for referral to the appropriate body. The student, the registrar and the student's academic adviser will receive copies of the petition showing the action taken. Petitions of Exception relating to graduation requirements must be filed no later than the second week of the semester of intended graduation.

### **English Proficiency Policy**

Global Engagement Office  
Rosemary Max, Executive Director  
[rmax@oakland.edu](mailto:rmax@oakland.edu)

English proficiency is needed for students to be successful when completing an academic degree in the United States. All international applicants, other visa holders, permanent residents, and applicants whose native language\* is not English, must be proficient in English as a requirement to enroll in courses for credit at Oakland University. Such applicants will be required to demonstrate English proficiency by meeting one of the following conditions listed below.

Some programs at Oakland University may require a higher level of proficiency than listed. Applicants should examine the program description for their field of study for information about additional English



proficiency requirements and furnish proof as part of the admission process. Please visit the [ESL Institute website](#) and [Undergraduate Admissions](#) for additional information.

### Full Admission

One of the following constitutes proof:

1. TOEFL 79 minimum on internet-based TOEFL
2. MELAB 77 minimum
3. IELTS 6.5 minimum
4. PTE Academic 53 minimum
5. Duolingo English Test 100 minimum
6. 24 transferable credits, excluding ESL coursework, from a U.S. community college or baccalaureate institution.
7. A degree from a regionally accredited U.S. college or university.
8. One year of study and a diploma from a U.S. high school.
9. Completion of all coursework to earn a high school diploma at an institution outside of the U.S. where the language of instruction was English.
10. Completion of three level 7 courses with a minimum of a B- in the ESL Institute at Oakland University.
11. Completion of ESL Level 112 Intensive program.

The following criteria only apply to students who do not hold and are not seeking an F or a J visa to study at Oakland University.

1. Applicant has worked full-time in the United States for at least three years in an English speaking environment. Evidence must be provided such as a letter of support from human resources to confirm employment.
2. Applicant has worked full-time for at least three years in an English speaking environment outside of the United States. Evidence must be provided such as a letter of support from human resources that confirms English as the primary language of written and oral communication.
3. A letter of support or comment from the ESL Institute at Oakland University based on an interview and completion of the ESL placement test.

### Admission with ESL coursework

Applicants, who are eligible for admission AND provide evidence of the following scores, will be permitted to enroll in the Global Achievement Pathway Program (GAPP) which permits students to simultaneously enroll in the ESL course sequence, as determined by the ESL Institute, and academic program courses. Enrollment in GAPP will be for one or two semesters. Students must register for ESL courses as part of their coursework starting in their first semester of registration. The ESL instruction sequence designed by the ESL Institute is not negotiable. Students not making satisfactory progress in the ESL course sequence or academic program are subject to dismissal from their program.

### Global Achievement Pathway Program for One Semester (GAPP - 1)

One of the following constitutes proof:

1. TOEFL 69-78 on internet-based TOEFL with a minimum section score of 16

- |                          |   |
|--------------------------|---|
| 2. MELAB                 | 73-76                                   |
| 3. IELTS                 | 6.0 with a minimum section score of 5.5 |
| 4. PTE Academic          | 48-52                                   |
| 5. Duolingo English Test | 95                                      |

Students must register for ESL courses as part of their coursework starting in their first semester of registration. ESL placement is done by the English as a Second Language Institute ([ESL Institute](#)) using the ESL Online Placement Test and other assessment tools. During students' ESL instruction sequence, students' English Proficiency will be evaluated to determine whether adequate progress is being made and if additional ESL coursework is necessary to achieve English Proficiency. The ESL instruction sequence designed by the ESL Institute is not negotiable.

Satisfactory completion of the ESL instruction sequence is expected within one year, but ESL coursework is required until minimum proficiency is demonstrated.

### **Global Achievement Pathway Program for Two Semesters (GAPP - 2)**

One of the following constitutes proof:

- |                          |                               |
|--------------------------|-------------------------------|
| 1. TOEFL                 | 62-68 on internet-based TOEFL |
| 2. IELTS                 | 6.0                           |
| 3. PTE Academic          | 44-47                         |
| 4. Duolingo English Test | 90                            |

### **Admission to intensive English program**

Prospective students who do not have adequate English Proficiency for admission or admission with ESL coursework to the university can be admitted to the Intensive English Program. ESL placement is done by the English as a Second Language Institute ([ESL Institute](#)) using the ESL Online Placement Test and other assessment tools. During the students' ESL instruction sequence, students' English Proficiency will be evaluated to determine whether adequate progress is being made and if additional ESL coursework is necessary to achieve English Proficiency. The ESL instruction sequence designed by the [ESL Institute](#) is not negotiable.

Upon completion of the Intensive English Program, students may (re)apply for [admission](#) to Oakland University; applicants are evaluated using the admission criteria described above.

\* A native language is a language that is acquired naturally during childhood and is usually spoken at home, as opposed to a language that is learned later in life, for example as a part of a person's formal education. Students whose native language is not English are encouraged to visit the English as a Second Language Institute to discuss any language difficulties they may have while attending Oakland University.

### **Transfer Student Information**

**Transfer practices for students from regionally accredited community colleges and four-year institutions**

Oakland University's baccalaureate programs are designed to accommodate students from community colleges and four-year institutions. For most Michigan community colleges, the university has prepared course equivalency guides that indicate courses fulfilling specific Oakland University requirements.

### **Transfer students from community colleges**

Transfers are eligible for the same financial aid programs and other services available to students who enter Oakland University directly from high school. Transfer credits are accepted in accordance with the transfer policies of this university and in accordance with the principles described below. Some exceptions to this policy include English as a Second Language courses and religion courses offered by religiously affiliated post-secondary institutions.

### **Transfer practices for students from non-regionally accredited institutions**

If a prospective student from a non-regionally accredited institution meets OU admissions requirements, they will be admitted to Oakland University. The student's credits from prior non-regionally accredited colleges and universities will be accepted according to the following policy:

Oakland University may accept for transfer those credits for which at least a grade of C- was earned from institutions with candidacy status from a regional accrediting agency or from other accredited institutions provided that: 1) the institution grants a baccalaureate or associate degree; 2) the institution is a recognized member of the Council for Higher Education Accreditation (CHEA); 3) the courses presented for transfer are shown to have equivalency or are determined to be of traditional academic nature and are acceptable to an Oakland University department; and 4) the institution's courses are taught by faculty with a master's degree or above.

Students who have questions should contact their academic adviser or the Office of the Registrar.

### **Transfer practices for veterans**

Undergraduate students who have served or are serving in the [Armed Forces of the United States](#) are granted, upon application, four hours of undesignated free elective credits. The application for free elective credits can be obtained from [Veteran's Support Services](#). Oakland University may accept transfer coursework completed in the Armed Forces of the United States and in programs of the United States Armed Forces Institute (USAFI) subject to the following conditions: 1) the content of the courses must be comparable to those for which Oakland University normally grants transfer credit; 2) granting of credit for particular courses must be recommended by the American Council on Education; 3) the credits are acceptable to the appropriate academic department at Oakland University. Students who have questions should contact their academic adviser or the Office of the Registrar.

### **Transfer credit evaluation**

Preliminary evaluations of transfer credits are mailed to students shortly after admission has been approved. Information is updated as equivalency information is received. Students can review their transcripts on SAIL to see the most updated information. Official evaluations are completed during the first semester of attendance. If students have questions concerning courses at other institutions that may meet Oakland University's general education requirements, they should consult their academic adviser or submit the [General Education Transfer Course Review Form](#).

Individual academic units may impose particular limitations on transfer credit. Students are advised to read appropriate sections of this catalog to learn the policies of schools in which they may be degree candidates.

Once transfer credits have been granted at Oakland University, a subsequent change of program or major may result in a change in the number of transfer credits accepted.

### **Study at a foreign university**

Oakland University students who enroll directly in foreign universities may, upon their return, request academic credit. Such students must provide documentation of the content and scope of the work completed as well as official evaluations of academic performance. Students who anticipate requesting credit for foreign study should contact the [Office of International Education](#), O'Dowd Hall, Room 328 (248) 370-2889, in advance of enrolling in a foreign university.

### **Transfer principles**

#### **Community college transfer credit limit (generally 62 credits)**

Students may transfer applicable community college credits at any time during their course of study; however, such credits are limited to no more than one-half the minimum credits required for completion of a specific baccalaureate program. Some exceptions to this policy include specific [Articulation Agreements](#). In cases where students have completed more than one-half of the number of credits at a community college or a combination of community colleges, OU will apply the credits that best fit the student's specific baccalaureate program. Additional credit may be transferred from regionally accredited four-year institutions. At least 32 credits must be earned at Oakland University.

#### **Principles concerning the MTA and MACRAO agreements**

Oakland University participates in the Michigan Transfer Agreement (MTA) and Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) Articulation Agreement. Both agreements allow students to satisfy the university's general education requirements at a Michigan community college except as noted below.

After transferring to Oakland University, students must complete a writing intensive course in the major and a capstone course. Students who have satisfied the MTA or MACRAO agreement must also either transfer in a course that is acceptable for the knowledge application (KA) requirement or take an approved KA course at OU after transferring. Under the MTA and MACRAO agreements, students from participating Michigan public community colleges must present for review a transcript bearing the "MTA Satisfied" or "MACRAO Agreement Satisfied" designation.

#### **General education requirements for transfer students**

Transfer students may fulfill the [General Education Requirements](#) with courses from their former institution that have been approved for this purpose by Oakland University. In such cases, a three semester-hour transfer course may serve as the required course in a particular knowledge area, but students must still present a total of 40 general education credits, and all 10 knowledge areas must be represented for graduation. Transfer students must complete the writing intensive in the major course and the capstone course at Oakland University. However, transfer students are exempt from the writing intensive in general education requirement.

## Arts and Sciences exploratory requirements for transfer students

Transfer students pursuing any major in the College of Arts and Sciences should refer to the Policies and Procedures section in the College portion of the catalog for [College of Arts & Sciences College Exploratory Requirement](#) that must be met in addition to [General Education Requirements](#).

### College-Level Examination Program (CLEP) credits

Transfer students who wish to apply [College Level Examination Program \(CLEP\)](#) credits towards degree work at Oakland University should consult the (CLEP) section of the catalog.

### Physical Education Credits

No more than six credits in approved physical education courses will transfer to Oakland University.

### Grading System

1. The basic undergraduate grading system at Oakland University is:

Grade	Honor Points
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
F	0.0

2. The first two weeks of a full semester (one week in summer I and II and variable for other parts of term) are a no record period for dropping and adding courses. ("No-record" means that there will be no transcript notation showing enrollment in the course.) See Important Dates.

3. The meanings of other alpha grades are as follows:

- W (Withdrawn) grade is assigned by the registrar if a student withdraws officially from a course between the end of the no-record period and the ninth week of 14-week courses (the fifth week of seven-week courses, and variable for other parts of term).
- The I (Incomplete) grade is temporary and may be given only by student request and instructor consent and only after the cut-off date for use of the W grade. It is used in the case of severe hardship beyond the control of a student that prevents completion of course requirements. Student work to remove an I grade for credit courses and faculty submission of the grade must be completed within one year from the faculty grade submission deadline for the appropriate

semester. I grades after the one year deadline shall be changed to a grade of F for undergraduate students. A student who wishes to receive an Incomplete (I) grade in a course must contact their instructor by the day of the scheduled final examination. If an instructor agrees to an Incomplete, they will enter an I as the grade and set a schedule to finish the term's work. The rules described above do not apply to degree candidates. Graduating students requesting Incomplete grades in the final semester should contact the degree auditor immediately.

- The P (Progress) grade is temporary and may be given only in a course that, by design, cannot be completed in one semester or session. Prior approval must be obtained from the dean of the appropriate school or college to assign P grades in a particular course. The P grade is only given for course work that is satisfactory in every respect. P grades must be removed within two calendar years from the date of assignment. If this is not done, the P will be changed to an F.
  - The S (Satisfactory) grade implies a grade of C or better in certain selected courses in which S/U grading is used exclusively; such courses must be approved by the appropriate committee on instruction. Under circumstances presented below, students may elect as an option to take an alpha graded course on an S/U basis.
  - The U (Unsatisfactory) grade is given in selected courses approved for S/U grading and implies a non-passing grade of a C- or less. It also denotes unsatisfactory work in an alpha graded course elected by a student on an S/U basis.
  - R is a temporary grade assigned by the registrar in the absence of a grade from the instructor.
  - Z is assigned upon registration for an audited course. The student's declaration of intention to audit and instructor permission are both required, and it is understood that no credit for the course is intended to be earned that term.
4. All grades appear on student transcripts. However, only alpha grades are used to determine the grade point average, which is rounded at two decimal places.

### **S/U grading option**

Undergraduates who have completed at least 28 credit hours toward graduation may elect to take up to eight credits of coursework at Oakland University on an S/U grading basis, assuming that all prerequisites have been completed and subject to the following conditions:

- a. These credits may be counted only as elective credits. They may not be used to satisfy general education requirements (including college or school exploratory requirements), the student's major or minor course requirements or prerequisites, or any courses designated "No S/U".
- b. Any courses that are designated S/U in the catalog will not count toward the limit of eight S/U grading option credits per student. Courses where the S/U grading system is used to grade all students in the course can be used to satisfy any applicable academic requirement.
- c. The student must elect the S/U option by the end of the late registration period by filing the appropriate form with the Registration Office (160 North Foundation Hall). Instructors will assign an alpha grade to all enrolled students who selected this option. A grade of C or higher will be given an S and alpha grades of C- or less will be given a U. An S or a U will appear on the student's official grade report and transcript.
- d. Neither the S nor the U grade will be included in the student's grade-point average.
- e. If a course is repeated, it must be repeated on the same grading basis as the first attempt.

### **Appeal of grade**

## Final Course Grade - Formal Grade Appeal Procedure

The evaluation of academic work is the prerogative of the instructor and the rules for determining final course grades should be established by the instructor and given to the students in a course syllabus at the beginning of the semester. All final course grades assigned by instructors are considered final, except Incomplete (I) and Progress (P) grades.

The assignment of final course grades requires an appeal procedure to ensure that the rights and responsibilities of faculty and students are properly recognized and protected. The grade appeal procedure is not to be used to review the judgment of an instructor in assessing the quality of the student's work.

The Office of the Registrar is authorized to change a final course grade provided the reason for the change is to correct a clerical or procedural error. It is the responsibility of the student who appeals a final course grade to demonstrate clerical error, prejudice or capriciousness in the assignment of the grade; otherwise, the judgment of the instructor is final.

A student who believes grounds exist for an appeal of a final course grade must complete the appeal process within the semester time limits specified in the table below AND within the time limits specified in the various steps below. These time limits represent the maximum time limit for a student to appeal a final course grade. In the event that a program publishes more stringent time limits, the program time limits will take precedence over the time limits in this document. Once the appeal process is initiated, the burden of proof is on the student. Written verification of each step below is critical.

**No changes to a final course grade will be approved on the basis of course improvement or re-examination.**

<b>Semester Final Course Grade posted on SAIL</b>	<b>Maximum Time Limit to Complete Final Course Grade Appeal</b>
Fall Semester	End of subsequent Winter semester
Winter Semester	End of subsequent Fall semester
Summer Semester	End of subsequent Fall semester

### Informal Conference with Instructor

#### Step 1 - Student Contacts the Course Instructor

##### Student responsibility

Students who have questions about final grades for the semester are required to contact the instructor who issued the final course grade by email or in writing to request a review of the grade. Step 1, an informal conference with the instructor, must be initiated no later than 10 work days after final grades are posted on [SAIL](#) to determine if an error has been made.

If the instructor is on leave, on sabbatical, or is not currently on the faculty during the time range stipulated in Step 1, the student should contact the chair of the academic department that offered the course.

##### Instructor responsibility

The instructor must respond to the student within 10 work days of being contacted by the student and explain to the student how the grade was determined. If an error was made in calculating the grade, the instructor submits a Grade Change Request to the Office of Registrar modifying the final grade.

If a resolution with the instructor is not reached (Step 1), the student can initiate a **Formal Grade Appeal Review** (Step 2). The grade appeal procedure is not to be used to review the judgment of an instructor in assessing the quality of the student's work. The burden of proof, however, rests with the student to demonstrate that the grade decision was made on the basis of any of the following conditions:

1. The student believes that the grade received conflicts with the grading policy on the syllabus;
2. The student believes that there is an error in calculation with the grade;
3. The student believes that the grade was given arbitrarily, or with capriciousness or prejudice.

### **Formal Grade Appeal Review**

#### **Step 2 - Chair of the Academic Department**

##### **Student responsibility**

#### **Step 1 review MUST be concluded before the student can initiate the Formal Grade Appeal Review**

The request for a Formal Grade Appeal Review of a final course grade must be submitted to the chair of the academic department that offered the course no later than 10 days after contact with the instructor. The student must identify one of the three reasons permissible for the grade appeal review, and submit the Grade Appeal form, along with the following documentation:

1. A thorough explanation of the reason identified for this review, including any relevant written materials - letters, memos, emails, or notes;
2. A brief outline of the outcome of the grade review contact/meeting with the instructor;
3. A copy of the course syllabus outlining assignments, tests, and examinations, along with their respective weights to the final grade calculation; and
4. A demonstration of the error in calculation by which the final grade was determined.

Since the written appeal will be the basis for the Grade Appeal Review, the student should ensure that it is clear, complete, and inclusive of all documentation the student wishes to have considered in the appeal process. It is the student's responsibility to present written evidence that the instructor made an error or acted arbitrarily or capriciously in assigning the grade.

##### **Chair responsibility**

#### **Step 1 review MUST be concluded before the student can initiate the Formal Grade Appeal Review**

The chair of the academic department will discuss the Formal Grade Appeal with the instructor. In departments that have a committee charged with the responsibility of hearing student grade appeals, the chair may refer the matter to the committee. The role of the chair is to ensure procedural process, it is not to re-grade the work completed by the student for the course.

If the instructor is also the chair of the academic department, the dean of the school (or the dean's designee) will discuss the Formal Grade Appeal with the instructor.

The chair of the academic department and the instructor of the course must review the Formal Grade Appeal before the Official Withdrawal date in the semester subsequent to the semester the final grade



was posted in SAIL.

<u>Fall</u> Semester Final Grade Posted in SAIL	Official withdrawal date in subsequent <u>Winter</u> semester.
<u>Winter</u> Semester Final Grade Posted in SAIL	Official withdrawal date in subsequent <u>Fall</u> semester.
<u>Summer</u> Semester Final Grade Posted in SAIL	Official withdrawal date in subsequent <u>Fall</u> semester.

At the conclusion of this review, a written and dated decision must be provided to the student. If the student does not receive a response from the chair by the Official Withdrawal date, the student may advance his or her written grade appeal to the next level.

### **Step 3 - Dean of the School that Offered the Course**

#### **Student responsibility**

Students who do not believe their final course grade concerns were resolved in review with the **chair** of the academic department (or academic department committee) may advance their written grade appeal to the **dean** of the school (or the dean's designee) that offered the course.

The request for a Formal Grade Appeal of a final course grade must be submitted to the dean of the school that offered the course no later than 10 days after the written decision of the chair of the academic department.

#### **Dean responsibility**

The dean may utilize any resources available to resolve the grade appeal before the **end of the semester class date**. When appropriate, the dean shall convene a committee to review the case. Within the structure provided by the dean, the committee shall design its own rules of operation and select a chair other than a faculty representative from the department concerned.

If feasible, the committee should meet with the student and the instructor together in an attempt to resolve the difference. The committee shall consider all aspects of the case before making its recommendation. The committee shall make a written report with recommendations and provide copies to the dean. The dean shall make a final decision after full consideration of the committee's recommendation.

The dean must provide a written, dated decision to the student, instructor and chair of the academic department before the **end of the semester class date**. The decision of the school dean is final and ends the grade appeal process for the student; there is no higher level of appeal.

<u>Fall</u> Semester Final Grade posted in SAIL	End of class date in subsequent <u>Winter</u> semester.
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Winter Semester Final Grade Posted in SAIL

End of class date in subsequent Fall semester.

Summer Semester Final Grade Posted in SAIL

End of class date in subsequent Fall semester.

## Academic Records

Transcripts may be requested online through [SAIL](#). Former students who don't know their log-in credentials may order their official transcripts online through the National Student Clearinghouse. Transcripts will not be issued for students who have delinquent indebtedness to the university or who are delinquent in repaying a National Direct Student Loan (NDSL), a Perkins Loan or Nursing Student Loan (NSL).

### Campus Security Policies, Crime Statistics and Crime Log

Information regarding public safety at Oakland University is provided in the [Annual Security and Fire Safety Report](#). The Security and Fire Safety Report includes crime statistics for the previous three years concerning certain crimes reported to have occurred on the University's campuses; in or on non-campus buildings, and property owned or controlled by Oakland University; and on public property within, or immediately adjacent to and accessible from, the campus. The Security and Fire Safety Report also includes information about police and public safety resources, reporting crimes, coordination between law enforcement agencies, fire and medical emergencies, crime prevention, victim support services, the law and OU policies, campus facilities, residence hall security, timely warning and emergency notification policy statements, and the [OU Alcohol and Other Drug Policy](#). Additional information regarding emergency action plans is [available online](#) and OU's [sexual misconduct policy](#) can be found online as well. A crime log can be found online at the [Oakland University Police Department](#). To obtain a paper copy of the Security Report or the crime log, contact the Oakland University Police Department at (248) 370-3331 or by emailing [info@oupolice.com](mailto:info@oupolice.com).

### Family Educational Rights and Privacy Act

The federal [Family Educational Rights and Privacy Act of 1974](#) pertain to confidential student educational records. This legislation allows students the right to view upon request their own confidential educational records and defines the use of these records by others. The dean of students is the university compliance officer for the Family Educational Rights and Privacy Act.

Students who do not want directory information to appear on the Oakland University website can restrict release of such data by doing the following:

- Login to [Sail](#)
- Click on Login to Secure Area
- Complete the User Login
- Select Personal Information
- Select Directory Profile
- De-select the Display in Directory option for items you wish to not appear in the web directory.

Students who do not want directory information released in any other form must notify the [Office of the Registrar](#) in writing. Forms for this purpose are available in 100 O'Dowd Hall. Upon receipt of the completed and signed form, directory information will be withheld until the student requests in writing that it be released. Requests for privacy may also be faxed to the Registrar at (248) 370-3890.

The university considers student theses and dissertations to be public statements of research findings. Therefore, students who submit such work in fulfillment of degree requirements shall be deemed to have consented to disclosure of the work.

A full statement of students' rights is available in the Office of the Dean of Students, 144 Oakland Center, (248) 370-3352. Any questions, grievances, complaints or other related problems may be addressed to the Dean of Students, 144 Oakland Center, Oakland University, Rochester, Michigan 48309-4401, (248) 370-3352 and/or filed with the U.S. Department of Education.

## **University Approval for Research Activities Involving Human and Animal Subjects, Biosafety, and Radiation Safety Protection of Human Subjects**

### **Protection of Human Participants in Research**

All research projects involving the participation of human subjects, use of identifiable private information, or use of materials of human origin must be submitted for review by the Institutional Review Board (IRB) for the Protection of Human Subjects in Research before the research can be conducted. This requirement includes all research, from low-risk investigations such as surveying people on the street about their favorite television shows to high-risk studies like clinical trials of experimental medical treatments. Applications are submitted online through the online protocol management system, [IRBNet](#).

All students conducting research must have a faculty adviser/sponsor. The student and faculty adviser/sponsor are jointly responsible for contacting the IRB and for keeping abreast of the approval process as it pertains to their study. For more information about human subjects research and the review process, visit the Oakland University IRB website at [Regulatory Compliance](#). The website includes links to information on mandatory training requirements in human subjects research that is offered by the Collaborative Institutional Training Initiative (CITI) and on the Oakland University Guidelines for Research Involving Human Subjects.

For more information, visit the IRB page under [Regulatory Compliance](#) or contact Dr. Judette Haddad at (248) 370-4898 or [haddad@oakland.edu](mailto:haddad@oakland.edu).

### **Protection of animal subjects**

All research, teaching and testing at Oakland University using vertebrate animals must have the approval of the [Institutional Animal Care and Use Committee \(IACUC\)](#) and be conducted according to federal regulations and university guidelines. Approval is obtained through submission of an Animal Care and Use application. Applications must be submitted online through the Research Application Manager 3.0. Access to RAM 3.0 is found under [Regulatory Compliance](#). Principal Investigators on IACUC applications must be OU faculty members. Training in working with animals in biomedical research is offered through the Collaborative Institutional Training Initiative (CITI), and animal "Research Hazards Awareness Training" is required through the Office of Environmental Health and Safety. For more information visit [Regulatory Compliance](#) at Institutional Animal Care and Use Committee (IACUC), or contact Janet Schofding at (248) 370-4440 or [schofdin@oakland.edu](mailto:schofdin@oakland.edu).

### **Biosafety**

All research, teaching and testing at Oakland University involving recombinant DNA, tissues of human/primate origin, infectious agents and/or cultured cell lines, and biologically-derived toxins must be approved by the Institutional Biosafety Committee (IBC) before the work can be conducted. Approval is obtained through submission of an Institutional Biosafety Committee Application. Applications must be submitted online through the Research Application Manager (RAM) 3.0. For more information, visit the Biosafety page under [Regulatory Compliance](#) or contact Domenic Luongo, Biosafety Officer at (248) 370-4314 or [luongo@oakland.edu](mailto:luongo@oakland.edu).

### **Radiation safety**

Radioactive material (including X-ray generating machines) can only be used by authorized Oakland University permit holders or under the supervision of a permit holder. User permits are issued by the Radiation Safety Committee (RSC) only to full-time OU faculty members. All others must work under the supervision of a full-time faculty member and complete mandatory radiation safety training. For more information, visit the [website](#) or contact Domenic Luongo, Radiation Safety Officer, at (248) 370-4314 or [luongo@oakland.edu](mailto:luongo@oakland.edu).

### **Human Pluripotent Stem Cells**

All research involving the derivation and/or use of human pluripotent stem cells (HPSCs) requires review and approval by the Human Pluripotent Stem Cell Research Oversight (HPSCRO) Committee prior to initiation. HPSCRO Committee guidelines, procedures and applications can be found on the HPSCRO Committee webpage under [Regulatory Compliance](#). Contact Rebecca Sandborg, Director of Regulatory Support at (248) 370-2708 or [sandborg@oakland.edu](mailto:sandborg@oakland.edu) for more information.

### **Online application for conducting research**

To access the compliance committee applications referred to above, researchers should visit the [Regulatory Compliance link](#) on the Research web page. Human subjects research applications must be submitted through [IRBNet](#). All required forms and applications are located in the Forms and Template library in IRBNet. IRBNet "Researcher Training" webpage that provides instructional videos and step-by-step training is available at [IRBNet RESOURCES](#). The login information to access the IRBNet training page is: Username: **oakland** and password: **training**. IACUC and IBC Applications are available through the [Research Application Manager \(RAM\) 3.0](#) which is accessed online. Researchers, who are accessing the site for the first time, must create an account. HPSCRO Committee applications are available on the HPSCRO webpage under Regulatory Compliance and can be submitted to the Director of Regulatory Support at [sandborg@oakland.edu](mailto:sandborg@oakland.edu). Only OU faculty can submit IACUC, IBC, and RSC applications. Students may be allowed to work on approved projects under the supervision of a faculty mentor.

## **Other Academic Policies**

### **Honors**

#### **Semester honors**

At the end of each fall, winter, and summer semester, undergraduates who have earned a semester grade point average (GPA) of 3.00 or higher in at least 12 credit hours of numerically graded university

work and who have received no 0.0 grades will be recognized for academic achievement. These credits must be earned within the time constraints of the normal semester. Commendation is awarded to undergraduates with term GPAs of 3.00 to 3.59, and academic honors is awarded to undergraduates with term GPAs of 3.60 to 4.00. Both commendation and academic honors will be recorded on students' academic transcripts. Students who receive an I (incomplete) and/or P (progress) grade in a semester are not eligible for semester honors. Students who are ineligible for semester honors because they receive I (incomplete) and/or P (progress) grades will be retroactively awarded semester honors if they meet the credit and GPA requirements once their I (incomplete) and/or P (progress) grades have been resolved.

### **Dean's list**

At the end of each winter semester, students who achieve academic honors (3.60 to 4.00) in at least 12 numerically graded credits in consecutive fall/winter semesters will be placed on the Dean's List. Students who receive an I (incomplete) and/or P (progress) grade in either fall or winter semesters, and have not resolved that grade by the end of winter semester, are not eligible for the Dean's list at that time. Students who are ineligible for Dean's list because they have unresolved I (incomplete) and/or P (progress) grades at the end of the winter semester will be retroactively awarded Dean's list at the end of the subsequent winter semester, if they resolve all I (incomplete) and/or P (progress) grades by that time, and if they meet the credit and GPA requirements for Dean's list. Inclusion on the dean's list for an academic year will be recorded on students' academic transcripts. Names of Dean's List students, except those who have requested privacy, will be published on an official list to be posted on campus. Students will also receive letters from the appropriate dean.

### **Program, departmental and school honors**

Program, departmental, or school honors may be awarded to selected students when their degrees are conferred. Criteria for earning these honors are described in the appropriate section of the Undergraduate Catalog. Program, departmental, and school honors are recorded on students' transcripts.

### **University honors**

The three levels of university honors, cum laude, magna cum laude and summa cum laude, may be awarded with the conferral of a student's earned baccalaureate with the following cumulative grade point average: 3.60-3.74, cum laude; 3.75-3.89, magna cum laude; and 3.90-4.00, summa cum laude. The awarding of a degree with university honors will be based only on Oakland University credits, and the student must earn at least 62 credits at Oakland University to be eligible for such honors.

### **Academic conduct policy**

All members of the [academic community](#) at Oakland University are expected to practice and uphold standards of academic integrity. Academic integrity means representing oneself and one's work honestly. Misrepresentation is cheating since it means the student is claiming credit for ideas or work not actually his or her own and is thereby seeking a grade that is not actually earned. All academic misconduct allegations are forwarded to the Dean of Students Office and adhere to the [student judicial system](#).

### **Examples of Academic Dishonesty:**

1. Cheating on assignments and examinations. This includes, but is not limited to, the following when not authorized by the instructor: the use of any assistance or materials such as books and/or notes, acquiring exams or any other academic materials, the use of any other sources in writing drafts, papers, preparing reports, solving problems, works completed for a past or concurrent course, completing homework or carrying out other assignments. No student shall copy from someone else's work or help someone else copy work or substitute another's work as one's own. No student shall engage in any behavior specifically prohibited by an instructor in the course syllabus or class discussion.
2. Plagiarizing the work of others. Plagiarism is using someone else's work or ideas without giving that person credit. By doing this, a student is, in effect, claiming credit for someone else's thinking. This can occur in drafts, papers and oral presentations. Whether the student has read or heard the information used, the student must document the source of information. When dealing with written sources, a clear distinction should be made between quotations, which reproduce information from the source word-for-word within quotation marks, and paraphrases, which digest the source of information and produce it in the student's own words. Both direct quotations and paraphrases must be documented. Even if a student rephrases, condenses or selects from another person's work, the ideas are still the other person's and failure to give credit constitutes misrepresentation of the student's actual work and plagiarism of another's ideas. Buying a paper or using information from the Internet without attribution and handing it in as one's own work is [plagiarism](#).
3. Cheating on lab reports by falsifying data or submitting data not based on the student's own work.
4. Falsifying records or providing misinformation regarding one's credentials.
5. Unauthorized collaboration on assignments. This is unauthorized interaction with anyone in the fulfillment of academic requirements and applies to in-class or take-home coursework. Individual (unaided) work on exams, lab reports, homework, computer assignments and documentation of sources is expected unless the instructor specifically states in the syllabus or verbally that it is not necessary. Collaboration can also include calculating homework problems with another person, having another help to rewrite a paper, sharing information/sources with others and checking coursework with others.
6. Resubmission of original work. When an instructor assigns coursework, the instructor intends that work to be completed for his/her course only. Work students may have completed for a course taken in the past, or may be completing for a concurrent course, must not be submitted in both courses unless they receive permission to do so from both faculty members.

## Faculty Standards

Faculty members are expected to maintain the following standards in the context of academic conduct:

1. To inform and instruct students about the procedures and standards of research and documentation required to complete work in a particular course or in the context of a particular discipline.
2. To take practical steps to prevent and detect cheating.
3. To report suspected academic misconduct to the Dean of Students, 144 Oakland Center, for consideration by the Academic Conduct Committee of the University Senate.
4. To present evidence of plagiarism, cheating on exams or lab reports, falsification of records, or other forms of academic misconduct before the Academic Conduct Committee.

## Student Standards

Students are expected to abide by the following standards in the context of academic conduct:

1. To be aware of and practice the standards of honest scholarship.
2. To follow faculty instructions regarding exams and assignments (including group assignments) to avoid inadvertent misrepresentation of work.
3. To be certain that special rules regarding documentation of term papers, examination procedures, use of computer-based information and programs, etc., are clearly understood.
4. If a student believes that practices by a faculty member are conducive to cheating, he or she may convey this information to the faculty member, to the chairperson of the department, or to any member of the Academic Conduct Committee (either directly or through the Dean of Students Office).

## Academic Probation and Dismissal

### General information

To stay in good academic standing, students must not allow their cumulative grade-point averages (GPA) to drop below 2.00. Some schools and departments establish more selective criteria for satisfactory academic performance within their majors. Students should consult the section of the catalog on their major for specific information.

Undergraduates who fail to make satisfactory academic progress toward a degree will be placed on probation in accordance with a university policy that stipulates that students must complete for credit most of the courses for which they register and must do so with a reasonable degree of academic proficiency. Students on probation who fail to meet the minimal standard of progress established by the [University Senate](#) will be dismissed from the university.

Undergraduates who are dismissed for unsatisfactory academic progress do not retain the privileges of students in good standing. If dismissed students wish to be readmitted to Oakland University after the compulsory separation period prescribed by the Academic Standing and Honors Committee, they must apply for readmission through [Undergraduate Admissions](#), 101 North Foundation Hall. (If, in the dismissal notice, a student has been informed that readmission will not be considered, the student may not utilize this procedure.) Questions about Oakland University's probation and dismissal policies should be directed to the [Office of Student Success](#), 157 North Foundation Hall.

### Principles and practices

The University Senate's Academic Standing and Honors Committee with administrative support from the Office of Student Success is responsible for the Academic Probation and Dismissal policy. The policy is based on the following principles and practices:

1. A share of students' educational expense is provided by the state of Michigan, and it is the responsibility of the university to see that these funds are properly used. If students fail to make satisfactory academic progress toward a degree, dismissal action must be taken by the Academic Standing and Honors Committee.
2. Students are encouraged to make responsible decisions concerning their educational progress. Students who are apparently not benefiting sufficiently from the educational opportunities available at the university are advised to consider other alternatives.
3. Some students new to the university (including transfer students) need a period of adjustment; therefore, no students will be dismissed at the end of their first semester/ session at the



university. Furthermore, students will not be dismissed without having been placed on probation in the previously enrolled semester/session.

4. Students must have a 2.00 GPA upon graduation. Students with fewer than 81 credits toward graduation and a GPA below 2.00 are normally allowed to continue their studies on probation if it is reasonable to expect that they can sufficiently raise their cumulative GPA. (See *Probation and Dismissal Policy* below.)
5. Students who are dismissed for the First time can appeal the dismissal if they believe there are valid reasons to have the dismissal deferred and can refer to The Appeal Process. Students who have been dismissed for a second time are not eligible to appeal. Questions may be directed to [Dr. Krista Malley](#) in the [Office for Student Success](#).
6. Students on probation for two consecutive semesters are not eligible for VA (Veterans') benefits.

### Probation and dismissal policy

The following Academic Probation and Dismissal Policy applies to all undergraduate and second degree students. Please contact [Dr. Krista Malley](#) in the [Office of Student Success](#).

1. Students with a cumulative GPA of 2.00 or above or without an established cumulative GPA are considered to be in good academic standing. (See item 4 below).
2. Students in good academic standing will be placed on probation at the end of a semester/session when their cumulative GPA is below 2.00. They will be allowed to remain at Oakland University on probationary status for at least one semester/session.
3. At the end of a probationary semester/session, students will be:
  - a. returned to good academic standing if their cumulative GPA is 2.00 or higher;
  - b. continued on probation if they have fewer than 24 GPA credit hours even if their semester GPA is below 2.00; or
  - c. continued on probation if their semester GPA is 2.00 or higher, even if they do not meet the minimum requirements on the chart below; or
  - d. dismissed from the university if their semester GPA is below 2.00, they have 24 or more GPA credit hours, and their cumulative GPA is below the minimum GPA according to the chart below. For example, if at the end of a probationary semester/session, a student has attempted 26 credits, has a semester GPA below 2.00, and a cumulative GPA of 1.50, the student will be dismissed from Oakland University.

Oakland University GPA Hours	Minimum Required Cumulative GPA
24-32	1.61
33-48	1.73
49-64	1.85
65-80	1.97
81+	2.00

4. In order to establish a cumulative GPA, a student must receive an alpha grade in at least one course at Oakland University, and in the computation of the cumulative GPA, only those courses at Oakland University for which a student has received grades A through F are used. If a course has been repeated, the assigned credits for the course are only counted once in the total number of credits attempted and only the most recent alpha grade received is used. The "honor



points" for each course are computed by multiplying the honor points of the grade received by the number of credits assigned to the course.

The cumulative GPA is determined by dividing the sum of the honor points for all courses receiving grades A through F by the total number of credits attempted in courses receiving alpha grades at Oakland University.

### **The appeal process**

Students who are dismissed for the First time can appeal the dismissal if they believe there are valid reasons to have the dismissal deferred.

To appeal, students would need to complete the online Academic Dismissal Appeal Request form within seven calendar days of being dismissed for the first time. This form is found at the University Technology Services site. The Academic Standing and Honors Committee of the Faculty Senate will review appeals submitted within the seven-calendar day deadline and students will be notified regarding the decision of the committee by phone and mail. Students whose appeals are approved by the Committee are required to participate in the Dismissal Option Status Program. This means the student must continue to earn a minimum semester GPA of 2.0 or higher every semester until their cumulative GPA places them back into good academic standing with a cumulative GPA of 2.0 or higher.

If the appeal is approved, the student is placed on dismissal option status, and the dismissal is deferred. You may also contact [Dr. Krista Malley](#) in the [Office for Student Success](#).

### **Dismissal option status**

Dismissal Option Status (DOS) is granted to students whose dismissal appeals are approved or to students who are readmitted following a previous dismissal for unsatisfactory academic progress. DOS offers students the opportunity to continue their education on a semester-by-semester basis as long as specific requirements are met. All students on DOS must have a minimum semester GPA of 2.00 in each enrolled semester/session until good academic standing is resumed. (Good academic standing is achieved when the cumulative GPA is 2.00 or above.) Failure to earn a minimum semester GPA of 2.00 results in reactivation of the dismissal, an action that may not be appealed by the student involved. The Dismissal Option Status program is administered by [Dr. Krista Malley](#) in the [Office of Student Success](#).

### **Readmission update to:**

If readmitted students fail to enroll for the semester or session for which their readmission is granted, that readmission is considered void. If students wish to enroll for the semester or session immediately following the term for which readmission was granted, they may do so with a written request to update their readmission application addressed to Undergraduate Admissions. However, if such students wish to enroll for a term later than one semester or session following the term for which they were readmitted, they must complete another readmission application and submit it by the deadlines. Readmission to the university is not automatic for students dismissed because of poor academic performance. An application for a first readmission by a student who has been dismissed for insufficient academic progress is reviewed by the university's Readmission Committee. The Academic Standing and Honors Committee will review the Academic records of students applying for readmission a second or subsequent time.

### **Academic forgiveness**

Academic forgiveness changes the academic standing of students who are on academic probation or dismissal option status (DOS). To petition for Academic Forgiveness, students must meet the following conditions: absent from the university for six or more years; not in good academic standing prior to their absence; and not permanently dismissed from the University.

Students who meet these requirements may petition the Academic Standing and Honors Committee for Academic Forgiveness. The petition must include a letter from the student stating why they are seeking academic forgiveness and supporting documentation. If the petition is granted, the student is considered exempt from the probation outreach and dismissal option status programs. Petitions must be submitted to the [Office of Student Success](#) in 157 North Foundation Hall.

### **Withdrawals**

Students dropping all registered credits in a semester must follow the withdrawal procedure. When students withdraw from the university after the second week of classes (first week in the summer semester) and before the end of the official withdrawal period, W grades will be assigned in all uncompleted courses. Official withdrawal from the university is not permitted after the ninth week of 15-week courses (fifth week of seven-week courses). If students stop attending classes but do not follow the withdrawal procedure, they may receive an F grade. Undergraduates who plan to return to the university after a two-year interruption should consult the readmission policy above.

### **Problem Resolution**

Students may encounter problem situations during their course of study at Oakland University that require review by appropriate administrative or academic personnel. The University's problem resolution procedure provides a fact-finding system for resolving problems between students and faculty or staff members when a review of the issues is not available through other established procedures. For some issues (e.g. discrimination, harassment), specific university procedures must be followed. The [Dean of Students](#), located in 312 Oakland Center, Suite 150, is always available to advise students on the alternatives that are available to resolve a concern.

Each student, faculty member, administrator and staff member has an obligation to resolve problems fairly through discussion between the aggrieved student and the specific university person involved with the problem.

### **Academic Concerns**

Each academic unit has developed its own internal procedure for resolving complaints about classroom situations and will provide a copy upon request. Generally, a student must **first contact the instructor**. If the problem is not resolved between the instructor and the student, the student **then contacts the department chair**. The department chair may then hear the facts of the case or refer it to an internal unit committee. If the problem is not resolved at this step, the student may **then contact the dean of the college or school** to continue the problem resolution process. In the case of graduate students, the school or college dean shall consult with the Director of Graduate Study. For cases involving grade disputes and classroom procedures but not involving discrimination, harassment or illegal behavior, the process stops at the dean level.

In any case involving an academic concern, the student should be aware of the responsibilities of the instructor and of the student.

An instructor's responsibilities include, but are not limited to, the following:

1. The instructor should hold classes and examinations when and where officially scheduled.
2. Each instructor should be available in his or her office for student consultation for a reasonable number of hours each week and make these hours known.
3. The instructor should make known at the beginning of each course the objectives and nature of the course, dates of important events (e.g., tests, major assignments), and policies on grading, class attendance, tests, papers and class participation.
4. The instructor should ensure that the content of the course he/she teaches is consistent with the course description in the university catalog.
5. The instructor should adhere to university policies concerning students' rights.
6. The instructor should attend the meetings as required by the procedures of the unit concerning student grievances.

A student's responsibilities include, but are not restricted to, the following:

1. The student must know and adhere to the instructor's policies concerning attendance, tests, papers and class participation.
2. The student must direct academic complaints about a class through the channels explained above.
3. Upon the request of his or her instructor, the student should consult with the instructor at a mutually convenient time.
4. The student should attend the meetings as required by the unit grievance procedures.

In the above process, a student may discuss the problem with the instructor. However, it is beneficial for the student to write out the concerns and state the suggested resolution to the problem. The complaint should be supported with facts. If the problem is not resolved at the instructor level and advances to the department chair, students must document their concerns to assist the chair or the unit committee to understand the problem.

### **Non-Academic Concerns**

From time-to-time, students may experience concerns with their employment situation or service on campus. In these situations, the student may wish to contact the dean of students to discuss problem resolution steps. Generally, the procedure will involve presenting the facts to the immediate supervisor of the specific university employee involved. The student should clearly state the nature and basis of the alleged offense, the name of the person(s) who committed the offense, the specifics of the incident(s) involved and the names of any known witnesses. In handling such complaints, discretion will be exercised but no guarantee of confidentiality may be given, since an investigation will necessarily involve discussions with other parties.

The immediate supervisor of the person against whom the complaint was lodged must respond to the complainant within 30 days after the complaint was filed (unless an extension for additional review or information gathering is authorized). If the complainant is dissatisfied a written appeal may be made to the next level of supervision. For nonacademic complaints, appeals stop at the vice presidential level.

### **Concerns about Illegal Discrimination or Harassment**

University policy prohibits illegal discrimination. Discriminatory conduct or discriminatory harassment is behavior, including but not limited to sexual advances or requests for sexual favors, and any written

behavior, including pictorial illustrations, graffiti or written material, that stigmatizes or victimizes an individual on the basis of race, sex, gender identity, gender expression, sexual orientation, age, height, weight, disability, color, religion, creed, national origin or ancestry, marital status, familial status, veteran status, or other characteristics protected by federal and state law.

In cases involving alleged illegal discrimination or harassment students should contact the following:

Between student and university employee: [Office of Diversity, Equity, and Inclusion](#), 150 Oakland Center, (248) 370-3496

Between students only: [Dean of Students](#) Office, 150 Oakland Center, (248) 370-3352.

### Time Limits for All Types of Concerns

In the interest of fairness to all parties, a complaint should be filed as soon as possible to assist in obtaining the facts related to the complaint. For this reason, a complaint generally will not be processed unless it is filed no later than sixty (60) days after the student became aware or should have become aware of the incident leading to the complaint. However, the University may waive the 60-day rule based upon the facts and circumstances of the complaint and after giving due consideration to the protection of the rights of both the complainant and the individual accused.

## University Libraries

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### *Knowledge UNBOUND*

**Dean:** *Stephen Weiter*

**Associate Dean:** *Mariela Hristova*

**Assistant Dean:** *Linda Kreger*

**Director, Oakland University William Beaumont School of Medicine Library:** *Nancy Bulgarelli*

**Professor Emeriti:** *William Cramer, Indra M. David, Suzanne O. Frankie, George L. Gardiner, Robert G. Gaylor, Linda L. Hildebrand, Janet A. Krompart, Frank Lepkowski, Mildred H. Merz, Richard L. Pettengill, Ann M. Pogany, Daniel F. Ring*

**Professors:** *Kristine S. Condic, Elizabeth Wallis*

**Associate professors:** *Dominique Daniel, Katie Greer, Amanda N. Hess, Shawn Lombardo, Misa Mi, Julia Rodriguez, Anne Zacharias*

**Assistant professors:** *Keith Engwall, Katie Greer, Amanda N. Hess, Shawn McCann, Emily Spunaugle, Stephanie Swanberg, Joanna Thielen*

**Managers:** *Rob Burns, Library Technology Services; Eric Condic, Library Assessment and Strategic Initiatives; Tracy Macpherson, Circulation Services and Resource Sharing*

### Library Facilities

Located in the center of campus, the [Kresge Library](#) is open 24/7 and houses the main library and the medical library. The library provides seating for individual study, rooms for group work, meeting rooms, audiovisual rooms, and a café that features a full range of coffee drinks, teas and snacks for on-the-go students. The third floor of the building is designated for quiet study, while the fourth floor provides powered tables and casual seating spaces to facilitate collaborative study.

[The Learning Commons](#) on the second floor offers a combination of PC and Mac desktop workstations, areas for wireless laptop use, breakout rooms with presentation computers and

equipment, and areas with modular furniture to facilitate a flexible learning environment for research, sharing, and knowledge creation by students. Adaptive equipment for students with disabilities is also available. Laptop computers are available for checkout to students at the Service Desk.

In addition to its own operations and resources, the library hosts the [Writing Center](#), the [OU Help Desk](#), and [e-Learning and Instructional Support](#).

### **Library Collections**

The Libraries' collections include more than 600,000 e-books, 60,000 journal titles in electronic and print formats, 500,000 print volumes, musical scores, multimedia resources, and more. The Libraries subscribe to almost 200 online databases and Library OneSearch, a discovery tool that enables users to search the Libraries' print and electronic holdings simultaneously with a single search. Last year patrons conducted 1.4 million searches in library databases and retrieved more than a million full-text articles and book chapters from our electronic collections. The Libraries' web site serves as a gateway to research databases, electronic reference sources, full-text articles and e-books, as well as to subject guides and online tutorials to help users navigate the research tools of a wide range of disciplines.

Special collections include federal and state government documents, the Hicks Collection of Early Books by and about women, the Springer Collection of Lincolniana, the Mike Rogers Congressional Collection, the Jonathon Riley-Smith Crusades Collection, the Gaylor Collection of GLBT Literature, the China Gift Collection, and the Bingham Collection of Historical Children's Literature. In addition, the Libraries maintain a collection of all dissertations written at OU.

The University Archives, housed on the first floor, is a repository of materials relating to the history of Oakland University. Digitized archival collections include photographs, newsletters, older student newspapers, Board of Trustees' minutes, and other important documents. These online materials, as well as a growing faculty research collection, are available through the OUR@Oakland institutional repository, which is organized and maintained by library faculty and staff.

### **Library Services**

**Phone:** (248) 370-2471

Send an e-mail message to a librarian: [ref@oakland.edu](mailto:ref@oakland.edu)

### **Research Help**

Librarians provide research assistance in-person at the Research Help Desk, by telephone, by e-mail, and via instant messaging. Librarians also offer individualized and customized research consultation sessions by appointment. These in-depth, one-on-one sessions are designed to help students identify and use resources pertinent to their research.

### **Library instruction**

As information literacy specialists, librarians provide extensive instruction for students on using information resources, constructing effective research strategies, and evaluating information. These instruction sessions are a core component of every [WRT 1060](#) course. Librarians also provide customized, course-related sessions in the disciplines, as well as workshops on special topics.

### **Circulation and course reserve services**

At the Service Desk, undergraduate students may borrow books for a period of three weeks, with unlimited renewals unless another borrower has requested the materials. Students may also borrow materials that have been placed on course reserve by their professors. An increasing number of reserve items are made available online.

### **Interlibrary loan service**

Students may request books and articles not owned by the Libraries through our interlibrary loan service and through MelCat, a statewide resource sharing system. Requests can be made through forms available on the Libraries' website.

### **Research data support**

The Research Data Librarian offers help via consultation appointments to students who participate in conducting research and collecting research data either as part of course assignments or for their Honors College theses, for instance. The service webpages on the [library website](#) that focus on research data support offer detailed guidelines on managing research data and the contact information for scheduling research data appointments.

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### **Course**

LIB 2500 - Introduction to Library Research and Technology in the Information Age (4)

With the ever-increasing availability of online and digital resources, it is vital that students be able to find and use information effectively. In this course students will learn about the organization of information, search skills, the research process, discipline-specific sources, evaluation of information, information ethics and other sources of debate. Satisfies the university general education requirement in the knowledge applications integration area. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for knowledge applications and writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): WRT 1060

## **Oakland University in Macomb County**

Macomb County has been an integral part of Oakland University's growth and success since our founding 60 years ago. In 1991, Oakland joined Macomb Community College as one of three partner schools at the newly established University Center in Clinton Township. In 2011, expanded its presence in the county by opening the Anton/Frankel Center in downtown Mount Clemens. Each year, more than 2,000 students take courses at one of our locations in Macomb County.

Today's competitive job market has made higher education a necessity for a successful career. OU is committed to enriching the lives of those who live and work in Macomb County by offering relevant bachelor's and master's degree programs that lead to fulfilling careers in communication, criminal justice, education, nursing and social work. And our emphasis on learning-by-doing means our graduates are marketable, workforce ready and in demand immediately so they can go further in their careers - and contribute to the county's thriving economy.

To better serve our students and accommodate their busy schedules, OU offers innovative Fast-track Degree-completion programs in marketing, general management, information technology and human resources management. Offered at the OU Anton/Frankel Center, the flexible, time-saving accelerated eight-week courses - combining classroom work with online assignments - allow working adults to finish their bachelor's degrees quickly.

### **Macomb County Educational Sites**

- Anton/Frankel Center (AFC), 20 S. Main St., Mount Clemens, MI 48043, (248) 370-3910, fax (248) 370-3925.
- Macomb University Center (MUC), 44575 Garfield Road, Clinton Township, MI 48038, (586) 263-6242, fax (586) 263-6261.

### **Programs**

#### **Undergraduate degree programs**

- Bachelor of Arts in Communication
- Bachelor of Arts in Criminal Justice
- Bachelor of Integrative Studies
- Bachelor of Science in Elementary Education
- Bachelor of Science in General Management - Fast-track
- Bachelor of Science in Human Resource Development
- Bachelor of Science in Human Resources Management - Fast-track
- Bachelor of Science in Information Technology - Fast Track
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Marketing - Fast Track
- Bachelor of Science in Nursing - Accelerated Second Degree
- Bachelor of Social Work

#### **Graduate degree programs**

- Education Specialist in Leadership
- Master of Arts in Clinical Mental Health Counseling
- Master of Education in Educational Leadership - Accelerated Weekend

#### **Academic Advising in Macomb County**

Academic Advising is available by appointment; students should contact OU's Macomb County office for further information.

## **Other Academic Programs**

Extension courses are also offered to businesses, government agencies, private agencies, and civic groups. The courses provide special instruction to the employees or members of these organizations. Most courses can be taught at the organization's facility. Course content is structured to address specific needs or goals identified by the organization.

### **Extension Course Cancellation**

Oakland University reserves the right to cancel any extension course that does not have sufficient enrollment. All tuition applicable to the canceled section will be automatically refunded when a course is canceled.

### **Diploma, Certificate and Re-Licensure Programs**

Diploma programs, a series of courses related to individual objectives, are offered as preparation for becoming a paralegal assistant and to sit for the CFP® (Certified Financial Planner) examination.

The Personal Financial Planning Certificate Program, offered by PACE - Professional and Continuing Education and is designed to prepare individuals who are now or might become involved in advising clients about financial planning, to prepare them to sit for the CFP® license examination. The center also offers a certificate program in Production and Manufacturing Management for individuals who wish to gain the knowledge and improve their skills for the constantly changing manufacturing environment.

Qualifying hours for professional relicensure are offered both periodically and throughout the year for counselors, educators, Certified Public Accountants, Certified Financial Planners, Certified Internal Auditors, Certified Management Accountants and licensed insurance professionals.

### **Educational Test Preparation Workshops**

Test preparation workshops for the SAT, ACT, Graduate Record Exam (GRE), Graduate Management Admission Test (GMAT), and Law School Admission Test (LSAT) are offered year-round. The SAT and ACT workshops are designed for college-bound high school students or individuals who decide to enter a college program after an interruption of the traditional high-school-to-college progression. The GRE and GMAT workshops are designed for those seeking admission to graduate school, and the LSAT for those applying for entry into law school. Information on these workshops is available through the College of Arts and Sciences.

### **Conferences and Seminars**

Conferences on topical subjects are offered throughout the year. Included among the offerings are: conference, seminar and corporate training programs through PACE - Professional and Continuing Education.

### **Air Force Reserve Officer Training Corps (AFROTC)**

The Air Force Officer Education Program prepares you to become an Air Force Officer while earning a college degree. Air Force ROTC offers a variety of scholarships that will help relieve the financial burden of your college education. That way, you can focus on preparing for your future and making



the most of your college experience. You will be able to hone your time-management skills, analytical skills, and physical fitness. It won't be easy, but if you're up to the challenge, the rewards will last a lifetime.

Four-year and Three-Year Programs.

Air Force ROTC offers a four-year and a three-year program. Upon graduation, cadets are commissioned as 2nd lieutenants.

The four-year plan is comprised of eight terms of courses in Aerospace Studies (AERO), as well as a two-week field training course at an Air Force base that will occur between a cadets' sophomore and junior years.

The three-year program is designed for college students with three years of school remaining. Three year cadets will make up the first year of ROTC by taking both freshman and sophomore level courses during their first year in ROTC.

Cadets may enroll in either the four-year or three-year programs by permission of the Air Force ROTC Detachment Commander.

### **Military obligation**

After commissioning, graduates of the Air Force ROTC program are called to active duty with the Air Force in a field usually related to their academic degree program. The period of service is four years for non-flying officers, six years for navigators/ air battle managers/ RPA pilots, and ten years for pilots after flight training. A contractual obligation is established for non-scholarship students when they attend their first Professional Officer Course (POC) after field training. Scholarship students in the four-year High School Scholarship Program incur a contractual obligation upon entering their sophomore year of AFROTC, whereas in-college scholarships awardees incur a contractual obligation once they accept a scholarship.

For more information on the program, classes, cadet life and how to join, visit UM Air Force ROTC.

## **General Education Requirements**

### **The General Education Program**

Students who graduate from Oakland University have demonstrated success in two programs of study: their major degree program and OU's innovative general education program. The major program prepares students for professional success through a study of the knowledge and "hard skills" associated with their chosen careers or disciplines. The general education program provides students with the diverse learning experiences necessary to develop the breadth of knowledge and "soft skills" valued by employers and essential to our students' successful engagement as citizens and as members of their local, global and professional communities.

While the general education program at Oakland University focuses on transferable "soft skills" and abilities, our wide-range of course offerings demonstrate our faculty's commitment to providing

students a broad knowledge base and opportunities to enrich their current interests and cultivate new ones through individualized programs of general study.

### **Build Transferable Skills**

The general education program at Oakland University is designed to help students develop the knowledge, skills, and critical capacities that serve as a foundation for meeting their academic, professional, civic, and personal goals and responsibilities. The core skills of critical thinking, effective communication, information literacy, and social awareness shape each of the courses offered in our general education program. Because they are essential to our students' educational success, these core skills are recognized as University Learning Outcomes (ULOs).

Through their general education classes, Oakland University students

- develop into CRITICAL THINKERS capable of comprehensively exploring issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion;
- become EFFECTIVE COMMUNICATORS who analyze rhetorical situations, adapt their discourse to diverse genres and media, treat their sources and source material ethically, and meet the expectations of a variety of discourse communities in the academy and beyond;
- build an integrated set of abilities that allow them to be INFORMATION LITERATE citizens who reflectively discover information, understand how that information is produced and valued, and use information ethically to create new knowledge and participate as lifelong learners in society; and
- become generous, SOCIALLY AWARE, citizens who demonstrate their intercultural competence and consider the ethical implications of their words, actions, and engagement with or indifference to other communities.

### **Create Your Own Program of Study**

OU's general education program permits students to design their own program of study, choosing from an impressive array of course offerings. Students may choose approved general education courses that complement their major or minor area of study or choose approved courses that will take them out of their academic comfort zones, encouraging them to explore, develop, create, and engage with a variety of new ideas, methods, and skills. For example, to fulfill the Writing Intensive in General Education requirement, students may choose from more than seventy-five approved courses across the university, including writing intensive classes in art, biology, economics, communication, technical writing, environmental science, exercise science, education, business, journalism, philosophy, psychology, political science, religion, and theatre. Courses in the Global Perspective area include everything from Masterpieces of World Cinema to Principles of Global Macroeconomics, from Issues in Global Health to Exploring African Music. To fulfill the Natural Science and Technology area, students may choose from a range of courses, including Life on Earth, Electrical and Computer Engineering, Environmental Science, Language and the Brain, and the Physics of Everyday Life.

Students should meet regularly with their advisors to develop a plan of study that meets their interests, goals, and aspirations and satisfies the graduation requirements.

The program of study in general education at OU consists of courses in three areas: Foundation, Exploration, and Integration.

1. Writing Foundations (WRT 1060 - Composition II) and Formal Reasoning constitute the FOUNDATION area of General Education. These courses help students develop the processes, skills, and knowledge essential for success in their studies.
2. Approved courses in the EXPLORATION area provide the fundamental abilities that a well-educated person should have, including a critical appreciation of the ways we gain and create knowledge and an understanding of the universe, of society, and of humankind. In their General Education studies at OU, students may choose from a variety of courses in the areas of the Arts, Foreign Language and Culture, Literature, Global Perspective, Natural Science and Technology, Social Science and Western Civilization.
3. In their advanced years in the general education program, students are given an opportunity to integrate and apply the knowledge and skills they have already developed through Knowledge Applications and Capstone courses. The INTEGRATION area helps students synthesize what they have learned in both the general education program and in their major, to identify and make use of the connections among the various disciplines and to apply their knowledge to addressing real world problems. This integrated knowledge forms the basis for students' lifelong learning, preparing them for successful careers and for productive personal and civic lives.

Oakland University's general education program also helps students develop advanced writing skills and engages students in a study of U.S. Diversity.

1. Through two WRITING INTENSIVE courses, students gain a depth in both general and discipline-specific writing skills. Writing Intensive in General Education and Writing Intensive in the Major courses may also satisfy other areas within the General Education program.
2. Because Oakland University is committed to ensuring that students develop an understanding of, and appreciation for, the history, advantages and challenges of the diversity of the United States, the general education program offers a range of courses that fulfill the U.S. DIVERSITY area, including courses in art history, anthropology, cinema, communication, dance, economics, literature, history, music, nursing, political [LG1] science, theatre, and writing and rhetoric. U.S. diversity courses may also satisfy other areas within the general education program.

### **General Education Requirements**

Each candidate for an Oakland University baccalaureate will need to satisfactorily complete approved courses in each of the following areas: Foundation, Exploration, Integration, Writing, and U.S. Diversity.

#### **1. Two courses in the Foundation Area**

At least one course from the list of approved courses in each of the following areas:

- Writing Foundations (WRT 1060 - Composition II)
- Formal Reasoning

Notes

For alternative ways of meeting the Writing Foundations requirement, see the Academic Policies and Procedures section of the catalog.

Students must earn at least a C in WRT 1060 to meet the Writing Foundations requirement.

Students must satisfactorily complete an approved Formal Reasoning course prior to their junior standing.

## **2. One course from each of the seven Exploration Areas**

At least one course from the list of approved courses in each of the following seven areas:

- Arts
- Foreign Language and Culture
- Global Perspective
- Literature
- Natural Science and Technology
- Social Science
- Western Civilization

### Notes

Foreign Language and Culture courses do not count for the Global Perspective area.

Students may meet the Foreign Language and Culture requirement through the satisfactory completion of an upper-level course that has an 1140 language course as its prerequisite and providing the credits from the upper-level language course are not used to satisfy any other general education area requirement.

The Foreign Language and Culture General Education area is waived for international students whose native language is not English and who have completed the equivalent of a high school diploma at a school that used a language other than English for instruction. Appropriate documentation attesting to the language of instruction and graduation from high school programs is necessary.

## **3. Two courses from the Integration Area**

At least one course from the list of approved courses in each of the following areas:

- Knowledge Applications
- Capstone

### Notes

Knowledge Applications courses must be outside the rubric of the student's major.

Knowledge Applications may be fulfilled through approved courses that also satisfy the Exploration areas.

#### **4. Two courses from the Writing Intensive Area**

At least one course from the list of approved courses in each of the following areas:

- Writing Intensive in the Major
- Writing Intensive in General Education

#### **Notes**

Writing Intensive in the Major and Writing Intensive in General Education courses may also satisfy other areas within the general education program.

Writing Intensive requirements cannot be met with WRT 1050 or WRT 1060.

Students must have earned a grade of C in the Writing Foundations course to enroll in a Writing Intensive course.

Students may substitute a second course from Writing Intensive in the Major to satisfy this requirement.

Students may not apply non-classroom experience (course competency, Advanced Placement and/or CLEP credits) to satisfy general education requirements for Writing Intensive courses.

#### **5. One course from the U.S. Diversity Area**

#### **Note**

U.S. Diversity may be fulfilled through courses that also satisfy the Exploration areas.

#### **Notes**

Students using this catalog to meet general education requirements may also use any course subsequently approved by the General Education Committee and published in a later catalog to satisfy requirements in a particular area. If a course listed below is removed from lists of approved courses in later catalogs, it may still be used to meet a general education requirement by students following the 2019-2020 catalog until the catalog expires (six years).

Transfer students should refer to the course catalog section, Transfer Student Information.

Some of the approved courses below may not be offered every semester. Students should check with their advisers to ensure that their preferred courses will be offered.

#### **General Education Courses:**

#### **Foundation Area Writing Foundations**

The Writing Foundations area prepares students to demonstrate:

- knowledge of the elements, writing processes and organizing strategies for creating analytical and expository prose
- effective rhetorical strategies appropriate to the topic, audience, context and purpose

Notes

For alternative ways of meeting the Writing Foundations requirement, see the Academic Policies and Procedures section of the catalog.

Students must earn at least a C in WRT 1060 to meet the Writing Foundations requirement.

\* WRT 1060 - Composition II

### **Formal Reasoning**

The formal reasoning area prepares students to demonstrate:

- knowledge of one or more formal reasoning systems such as computer programming, mathematics, statistics, linguistics or logic
- application of formal reasoning to read, understand, model and solve problems across a variety of applications

Note

Students must satisfactorily complete an approved Formal Reasoning course prior to their junior standing.

- CSI 1200 - Introduction to Computing and Programming using Excel (4)
- CSI 1220 - Computer Animation (4)
- CSI 1300 - Introduction to Computer Programming (4)
- EHS 2550 - Basic Statistics for Health Sciences (4)
- LIN 1180 - Linguistic Analysis (4)
- LIN 1183 - Formal Rules of Sound Structure (4)
- LIN 1184 - Formal Rules of Phrase Structure (4)
- MTE 2111 - Mathematics for Elementary Education II (4)
- MTH 1118 - Mathematical Sciences in the Modern World (4)
- MTH 1221 - Linear Programming Elementary Functions (4)
- MTH 1222 - Calculus for the Social Sciences (4)
- MTH 1554 - Calculus I (4)
- PHL 1000 - Introduction to Logic (4)
- PHL 1070 - Introduction to Symbolic Logic (4)
- PS 3080 - Systematic Political Analysis (4)
- STA 2220 - Introduction to Statistical Concepts and Reasoning (4)
- STA 2222 - Statistical Methods for Biology (4)
- STA 2226 - Applied Probability and Statistics (4)

## Exploration Area

### Arts

The Arts area prepares students to demonstrate:

- knowledge of cultural or historic artistic traditions in visual, auditory, movement, theatrical or cinematic art
- knowledge of the role of art as critical commentary on society and as an aesthetic expression of experience
  
- AH 1001 - History of Western Art, Prehistory through Medieval (4)
- AH 1002 - History of Western Art, Renaissance to Present (4)
- AH 1003 - Arts of Asia and the Islamic World (4)
- ART 1000 - Foundations of Visual Literacy (4)
- ART 2100 - Introduction to Drawing (4)
- ART 2200 - Introduction to Interactive Art and Technology (4)
- ART 2500 - Introduction to Sculpture (4)
- CIN 1150 - Introduction to Film (4) (Also meets U.S. Diversity)
- DAN 1373 - Dance History and Appreciation (4)
- DAN 1375 - Dance in American Culture (4) (Also meets U.S. Diversity)
- DAN 1377 - Dance in Film (4) (Also meets U.S. Diversity)
- LIT 2900 - Chinese Cinema (4)
- LIT 2910 - Topics in Chinese Cinema (4)
- MUS 1000 - An Introduction to Music (4)
- MUS 1001 - What's On Your Playlist? Music Listening and the Self (4)
- MUS 1002 - Exploring Technology in Music (4)
- MUS 1005 - Foundations of Rock (4) (Also meets U.S. Diversity)
- MUS 1006 - Exploring Film Music (4)
- MUS 1007 - Exploring Jazz (4) (Also meets U.S. Diversity)
- MUS 1010 - Exploring African Music (4)
- MUS 1011 - Exploring Caribbean Music (4) (Also meets U.S. Diversity)
- MUS 1012 - Exploring Indian Music (4)
- MUS 1331 - History and Literature of Western Tonal Music (3)
- THA 1000 - Introduction to Theatre (4)
- THA 3001 - Theatre History I (4) (Also meets Writing Intensive in Gen Ed)
- THA 3002 - Theatre History II (4) (Also meets Writing Intensive in Gen Ed)
- THA 3006 - Cultural and Historical Development of American Musical Theatre (4) (Also meets Writing Intensive in Gen Ed and U.S. Diversity)

### Foreign Language and Culture

The Foreign Language and Culture area prepares students to demonstrate:

- knowledge of a foreign language and culture

- knowledge of linguistic and cultural diversity and the contributions of such diversity to the global society

## Notes

Foreign Language and Culture courses do not count for the Global Perspective area.

Students may meet the Foreign Language and Culture requirement through the satisfactory completion of an upper-level course that has an 1140 language course as its prerequisite and providing the credits from the upper-level language course are not used to satisfy any other general education area requirement.

The Foreign Language and Culture General Education area is waived for international students whose native language is not English and who have completed the equivalent of a high school diploma at a school that used a language other than English for instruction. Appropriate documentation attesting to the language of instruction and graduation from high school programs is necessary.

- ALS 1101 - The Humanity of Language (4)
- ARB 1140 - Introduction to Arabic Language and Culture I (4)
- CHE 1140 - Introduction to Chinese Language and Culture I (4)
- FRH 1140 - Introduction to French Language and Culture I (4)
- FRH 1190 - Accelerated Review of Elementary French and French Culture (4)
- GRM 1140 - Introduction to German Language and Culture I (4)
- HBR 1140 - Introduction to Hebrew Language and Culture I (4)
- IT 1140 - Introduction to Italian Language and Culture I (4)
- JPN 1140 - Introduction to Japanese Language and Culture I (4)
- LTN 1140 - Introduction to Latin Language and Roman Culture (4)
- LIN 1181 - Introduction to the Development of the English Language (4)
- ML 1910 - Study Abroad - Tutorial in Foreign Language (3 TO 4)
- SPN 1140 - Introduction to Spanish Language and Culture I (4)
- SPN 1190 - Accelerated Review of Elementary Spanish and Spanish Culture (4)

## Global Perspective

The Global Perspective area prepares students to demonstrate:

- knowledge of the environments, political systems, economies, societies and religions of one or more regions outside the United States and awareness of the transnational flow of goods, peoples, ideas and values
  - knowledge of the role that different cultural heritages, past and present, play in forming values in another part of the world, enabling the student to function within a more global context
- AH 3080 - Latin American Art (4)
  - AN 1111 - Culture and Human Nature (4)
  - AN 2130 - Global Human Systems (4)
  - CIN 2320 - Masterpieces of World Cinema (4)
  - DAN 4630 - German Contemporary Dance (Study Abroad in Berlin) (4)



- ECN 1600 - Introduction to the Global Economy (4) (Also meets Writing Intensive in Major)
- ECN 2020 - Principles of Global Macroeconomics (4)
- ECN 3260 - International Economic Development (3)
- EHS 3001 - Global Perspectives of Environmental and Health Sciences (4) (Also meets Writing Intensive in Gen Ed or the Major)
- GEO 2000 - Global Human Systems (4)
- HST 2010 - World History (4)
- HST 2500 - Introduction to Middle East History (4)
- IS 2000 - Global Human Systems (4)
- IS 2005 - Issues in Global Health (4)
- IS 2060 - Global Cities (4)
- IS 2100 - Perspectives on China (4)
- IS 2200 - Perspectives on Japan (4)
- IS 2300 - Perspectives on Africa (4) (Also meets Writing Intensive in Gen Ed)
- IS 2400 - Perspectives on India (4) (Also meets Writing Intensive in Gen Ed)
- IS 2500 - Perspectives on Latin America (4) (Also meets Writing Intensive in Gen Ed)
- IS 2600 - Perspectives on Russia and Eastern Europe (4) (Also meets Writing Intensive in Gen Ed)
- IS 2700 - Perspectives on the Middle East (4) (Also meets Writing Intensive in Gen Ed)
- MGT 1100 - Contemporary World Business (4) (Also meets Writing Intensive in Gen Ed)
- MUS 1010 - Exploring African Music (4)
- MUS 4326 - Global Arts Study Abroad (4)
- PS 1400 - Comparative Politics (4) (Also meets Writing Intensive in Gen Ed)
- PS 1600 - Issues in World Politics (4)
- REL 1150 - Introduction to Islam (4)
- REL 1200 - Introduction to Judaism (4)
- REL 1250 - Introduction to Christianity (4)
- REL 1850 - World Religious Traditions (4)
- WGS 3810 - Global Women, Global Issues (4)
- WRT 3060 - Global Rhetorics (4) (Also meets Writing Intensive in Gen Ed)

## Literature

The Literature area prepares students to demonstrate:

- knowledge of how literature is an expression of culture
- knowledge of literary form
- CIN 2100 - Film and Formal Analysis (4)
- ENG 1300 - Introduction to Shakespeare (4)
- ENG 1500 - Literature of Ethnic America (4) (Also meets U.S. Diversity)
- ENG 1700 - Modern Literature (4)
- ENG 1800 - Masterpieces of World Literature (4)
- ENG 2300 - British Literature (4)
- ENG 2500 - American Literature (4)
- ENG 3600 - Fiction (4)
- ENG 3610 - Poetry (4)

- ENG 3620 - Drama (4)
- ENG 3650 - The Bible as Literature (4)
- ENG 3660 - Classical Mythology (4)
- LIT 1000 - Introduction to Asian Literature (4)
- LIT 1810 - European Literature I (4)
- LIT 1820 - European Literature II (4)

### **Natural Science and Technology**

The Natural Science and Technology area prepares students to demonstrate:

- knowledge of major concepts from natural science or technology, including developing and testing of hypotheses; drawing conclusions; and reporting of findings and some laboratory experience or an effective substitute
- how to evaluate sources of information in science or technology
- BIO 1002 - Human Biology (4)
- BIO 1004 - Life on Earth (4)
- BIO 1200 - Biology I (4)
- BIO 1300 - Biology II (4)
- BIO 3000 - Biology and Society (4) (Also meets Writing Intensive in Gen Ed)
- CHM 1040 - Introduction to Chemical Principles (4)
- CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I
- CHM 3000 - Chemistry, Society Health (4) (Also meets Writing Intensive in Gen Ed)
- EGR 2400 - Introduction to Electrical and Computer Engineering (4)
- EGR 2500 - Introduction to Thermal Engineering (4)
- ENV 3080 - Introduction to Environmental Studies (4)
- GEO 1060 - Earth Science/Physical Geography (4)
- HS 2000 - Introduction to Health and Health Behaviors (4)
- LIN 1182 - Language and the Brain (4)
- PHY 1010 - General Physics I (4) and PHY 1100 - General Physics Lab I
- PHY 1040 - Astronomy: The Solar System (4)
- PHY 1050 - Astronomy: Stars and Galaxies (4)
- PHY 1060 - Earth Science/Physical Geography (4)
- PHY 1200 - The Physics of Everyday Life (4)
- PHY 1510 - Introductory Physics I (4) and PHY 1100 - General Physics Lab I
- SCI 1000 - Physical Sciences in Life, the World and Beyond (4)

### **Social Science**

The Social Science area prepares students to demonstrate:

- knowledge of concepts, methods and theories designed to enhance understanding of human behavior and/or societies
- application of concepts and theories to problems involving individuals, institutions, or nations

- AN 1111 - Culture and Human Nature (4)
- AN 1511 - Human and Cultural Evolution (4)
- AN 3110 - Culture, Society and Technology (4)
- COM 2600 - Media and Social Identity (4)
- COM 3400 - Relational Communication (4)
- ECN 1500 - Economics in Today's World (4)
- ECN 2000 - Principles of Macroeconomics (4)
- ECN 2010 - Principles of Microeconomics (4)
- ECN 2010H - Principles of Microeconomics (4)
- ECN 2020 - Principles of Global Macroeconomics (4)
- ECN 2100 - Principles of Economics (6)
- HS 3000 - Community and Public Health (4) (Also meets U.S. Diversity)
- ISE 1170 - Learning How to Learn (4)
- PS 1100 - Introduction to American Politics (4) (Also meets U.S. Diversity)
- PS 1400 - Comparative Politics (4) (Also meets Writing Intensive in Gen Ed)
- PS 1600 - Issues in World Politics (4)
- PS 3215 - The Politics of Race and Ethnicity (4) (Also meets U.S. Diversity and Writing Intensive in Gen Ed)
- PSY 1000 - Introduction to Psychology (4)
- SOC 1000 - Introduction to Sociology (4) (Also meets U.S. Diversity)
- SOC 2100 - Self and Society (4)
- WGS 1000 - Introduction to Women and Gender Studies (4) (Also meets U.S. Diversity)
- WGS 3010 - Introduction to LGBTQ Studies (4)
- WGS 3810 - Global Women, Global Issues (4)

### **Western Civilization**

The Western Civilization area prepares students to demonstrate:

- knowledge of the historical events and/or philosophical ideas of European or American culture
  - knowledge of how Western ideas or institutions have evolved over time
- AN 3110 - Culture, Society and Technology (4)
  - COM 3607 - Rise of Electronic Media (4)
  - HST 1100 - Introduction to American History Before 1877 (4) (Also meets U.S. Diversity)
  - HST 1200 - Introduction to American History Since 1877 (4) (Also meets U.S. Diversity)
  - HST 1300 - Introduction to European History Before 1715 (4)
  - HST 1400 - Introduction to European History Since 1715 (4)
  - HST 2280 - History of the African-American People (4) (Also meets U.S. Diversity)
  - HST 2380 - Science and Technology in Western Culture (4)
  - LBS 1000 - Exploration of the Arts and Sciences (4)
  - MGT 2350 - Commerce in Western Civilization (3)
  - MUS 1003 - Music, Culture and Western Civilization (4)
  - PHL 1100 - Introduction to Philosophy (4)
  - PHL 1300 - Introduction to Ethics (4)
  - PHL 1310 - Introduction to Ethics in Science and Engineering (4)

- PHL 3500 - Bioethics (4)
- PHL 3880 - Animal Minds and Morals (4)
- PS 3050 - Communism (4) (Also meets Writing Intensive in Gen Ed)

## **Writing Intensive**

### **Writing Intensive in General Education**

#### Notes

Writing Intensive in the Major and Writing Intensive in General Education courses may also satisfy other areas within the general education program.

Writing Intensive requirements cannot be met with WRT 1050 or WRT 1060.

Students must have earned a grade of C in the Writing Foundations course to enroll in a Writing Intensive course.

Students may not apply non-classroom experience (course competency, Advanced Placement and/or CLEP credits) to satisfy general education requirements for Writing Intensive courses.

- AH 2100 - Concepts of Modern and Postmodern Art (4)
- AH 3000 - Critical Thinking and Writing in Art History II (4)
- AH 3080 - Latin American Art (4)
- AH 3420 - Modern Art 1900-1960 (4)
- AH 3430 - Art Since 1960 (4)
- AH 4998 - Senior Thesis in Art History I (4)
- AH 4999 - Senior Thesis in Art History II (4)
- BE 4999 - Research Project/Capstone Design (4)
- BIO 3000 - Biology and Society (4)
- CHM 3000 - Chemistry, Society Health (4)
- COM 3300 - Multicultural Communication (4)
- COM 3405 - Gender Communication (4)
- ECN 3260 - International Economic Development (3)
- EED 3001 - Managing the Classroom Community for U.S. Diverse Learners (4)
- EHS 3001 - Global Perspectives of Environmental and Health Sciences (4)
- ENG 3110 - Advanced Critical Writing (4)
- ENV 3540 - Global Environmental Governance (4)
- EXS 3020 - Biomechanics (3)
- HS 4450 - Laughter as Therapeutic Modality (4)
- HST 3315 - Science and Medicine in the Ancient World (4)
- HST 3340 - The Italian Renaissance (4)
- HST 3350 - The Scientific Revolution (4)
- IS 2300 - Perspectives on Africa (4)
- IS 2400 - Perspectives on India (4)
- IS 2500 - Perspectives on Latin America (4)
- IS 2600 - Perspectives on Russia and Eastern Europe (4)

- IS 2700 - Perspectives on the Middle East (4)
- IS 3001 - The Global Citizen (4)
- JRN 2000 - Introduction to Journalism and News Writing (4)
- JRN 3290 - Digital Storytelling for the Media: Diversity, Identity, and Community (4)
- JRN 4120 - OU Student News Bureau (4)
- LIB 2500 - Introduction to Library Research and Technology in the Information Age (4)
- LBS 2000 - Interdisciplinary Approaches to Liberal Studies (4)
- LBS 4999 - Senior Thesis II (4)
- LIN 4470 - The History of Linguistics (4)
- MGT 1100 - Contemporary World Business (4)
- MGT 4350 - Management Strategies and Policies (3)
- PHL 2100 - Fact, Value, and Knowledge (4)
- PHL 2200 - Ancient Greek Philosophy (4)
- PHL 2210 - Medieval Philosophy (4)
- PHL 2220 - Early Modern Philosophy (4)
- PHL 3110 - Freedom, Agency, and Responsibility (4)
- PHL 3300 - Ethical Theory (4)
- PHL 3310 - Ethics, Language and Reality (4)
- PHL 3400 - Metaphysics (4)
- PHL 3420 - Theories of Truth (4)
- PHL 3830 - Philosophy of Artificial Intelligence (4)
- PHL 4100 - Philosophy of Language (4)
- PS 1400 - Comparative Politics (4)
- PS 3050 - Communism (4)
- PS 3215 - The Politics of Race and Ethnicity (4)
- PS 3310 - American Public Policy (4)
- PS 3730 - Global Environmental Governance (4)
- PSY 3040 - Animal Behavior (4)
- PSY 3160 - Cognitive Psychology (4)
- PSY 3180 - Biological Psychology (4)
- PSY 3210 - Child Development (4)
- PSY 3220 - Adolescence and Youth (4)
- PSY 3230 - Adulthood and Aging (4)
- PSY 3330 - Motivation (4)
- PSY 3390 - Emotion (4)
- PSY 3430 - Child Psychopathology (4)
- PSY 3440 - Behavior Analysis (4)
- PSY 4989 - History of Psychology (4)
- REL 1150 - Introduction to Islam (4)
- REL 1200 - Introduction to Judaism (4)
- THA 3001 - Theatre History I (4)
- THA 3002 - Theatre History II (4)
- THA 3006 - Cultural and Historical Development of American Musical Theatre (4)
- WGS 4810 - Sexual Orientation, Gender Identity and Education (4)
- WRT 2088 - Technical Writing
- WRT 3010 - Contemporary Issues in Writing and Rhetoric Studies (4)

- WRT 3020 - History of Rhetoric (4)
- WRT 3030 - Literacy, Technology, and Civic Engagement (4)
- WRT 3060 - Global Rhetorics (4)
- WRT 3062 - Writing Center Studies and Tutoring Practice (4)
- WRT 3064 - Writing About Culture: Ethnography (4)
- WRT 3070 - Digital Identity and Culture (4)
- WRT 3074 - Rhetoric and Video Games (4)
- WRT 3081 - Science Writing (4)
- WRT 3082 - Business Writing (4)
- WRT 3086 - Workshop in Creative Non-Fiction (4)
- WRT 4061 - Writing Across the University: Language and Disciplinary Culture (4)
- WRT 4908 - Special Topics in Professional Writing (4)
- WRT 4996 - Independent Study (1 TO 4)
- WRT 4998 - Capstone (4)

### **Writing Intensive in the Major**

#### Notes

Writing Intensive in the Major and Writing Intensive in General Education courses may also satisfy other areas within the general education program.

Writing Intensive requirements cannot be met with WRT 1050 or WRT 1060.

Students must have earned a grade of C in the Writing Foundations course to enroll in a Writing Intensive course.

Students may substitute a second course from Writing Intensive in the Major to satisfy this requirement.

Students may not apply non-classroom experience (course competency, Advanced Placement and/or CLEP credits) to satisfy general education requirements for Writing Intensive courses.

- AH 2000 - Critical Thinking and Writing in Art History I (4)
- AH 2100 - Concepts of Modern and Postmodern Art (4)
- AH 3000 - Critical Thinking and Writing in Art History II (4)
- AH 3080 - Latin American Art (4)
- AH 3120 - Greek Art (4)
- AH 3130 - Roman Art (4)
- AH 3420 - Modern Art 1900-1960 (4)
- AH 3430 - Art Since 1960 (4)
- AH 3530 - History and Theory of Graphic Design (4)
- AH 4998 - Senior Thesis in Art History I (4)
- AH 4999 - Senior Thesis in Art History II (4)
- ALS 4335 - Psycholinguistics (4)
- AN 4391 - Anthropological Theory (4)
- ART 2000 - Critical Theory and Practice in Art (4)

- BCM 4257 - Biochemistry Laboratory (3)
- BIO 3000 - Biology and Society (4)
- BIO 3920 - Directed Readings in Biology (1 TO 4)
- BIO 4970 - Scientific Inquiry and Communication (4)
- BIO 4972 - Integrative Biomedicine and Disease (4)
- CHM 3000 - Chemistry, Society Health (4)
- CHM 3480 - Physical Chemistry Laboratory (2)
- CHM 4257 - Biochemistry Laboratory (3)
- CIN 2150 - Methods of Screen Criticism (4)
- CIN 4900 - Advanced Topics in Film (4)
- CIN 4999 - Filmmaking Thesis (4)
- COM 3300 - Multicultural Communication (4)
- COM 4200 - Rhetorical Criticism in Communication (4)
- COM 4901 - Senior Research Seminar (4)
- COM 4930 - Community Field Experience (4)
- COM 4950 - Internship (4)
- CRJ 4950 - Internship in Criminal Justice (4)
- CRJ 4970 - Capstone: Criminal Justice Policy Analysis (4)
- CSI 4999 - Senior Capstone Project (4)
- CW 4200 - Advanced Workshop in Fiction (4)
- CW 4300 - Advanced Workshop in Poetry (4)
- CW 4400 - Advanced Screenwriting (4)
- CW 4450 - Advanced Television Writing (4)
- CW 4500 - Advanced Workshop Literary Nonfiction (4)
- DAN 3380 - Contemporary Dance History: Revolution and Revisionism (4)
- ECE 4999 - Senior Design (4)
- ECN 1600 - Introduction to the Global Economy (4)
- ECN 4050 - Econometrics (3)
- ECN 4090 - Urban and Regional Economics (3)
- ECN 4180 - Seminar in Economic Policy (3)
- ECN 4210 - Monetary Economics (3)
- ECN 4560 - Public Finance (3)
- EED 2000 - Exploring K-8 Teaching: Responsibilities and Opportunities in Education (3)
- EED 2001 - Advanced Exploration of K-8 Teaching (2)
- EED 3001 - Managing the Classroom Community for U.S. Diverse Learners (4)
- EHS 3001 - Global Perspectives of Environmental and Health Sciences (4)
- ENG 4900 - Advanced Topics in Literature and Language (4)
- ENG 4970 - Studies in Literary Kinds (4)
- ENG 4975 - Trans-Atlantic Traditions (4)
- ENG 4980 - Studies in Major Authors (4)
- ENG 4985 - Shakespeare Seminar (4)
- EHS 4460 - Industrial and Environmental Toxicology (3)
- ENV 3540 - Global Environmental Governance (4)
- ENV 4460 - Industrial and Environmental Toxicology (3)
- ENV 4950 - Environmental Science Internship (3)
- EXS 3020 - Biomechanics (3)

- FRH 3180 - French Composition (2)
- FRH 4160 - French Literature from the Middle Ages through the Sixteenth Century (4)
- FRH 4170 - French Literature - Seventeenth and Eighteenth Centuries (4)
- FRH 4190 - French Literature - Nineteenth Century (4)
- FRH 4200 - French Literature - Twentieth Century (4)
- FRH 4970 - Undergraduate Seminar (2 OR 4)
- GRM 3180 - German Composition (2)
- HRD 4950 - Internship in HRD (8)
- HS 4450 - Laughter as Therapeutic Modality (4)
- HS 4500 - Ethics in Health Care (4)
- HS 4930 - Field Experience in Integrative Studies (4)
- HST 3000 - Seminar in Historical Research (4)
- HST 3010 - Historical Thinking and Writing (4)
- ISE 4491 - Senior Design (4)
- JRN 2000 - Introduction to Journalism and News Writing (4)
- JRN 3290 - Digital Storytelling for the Media: Diversity, Identity, and Community (4)
- JRN 4120 - OU Student News Bureau (4)
- JRN 4950 - Journalism Internship (4)
- JPN 3180 - Japanese Composition (4)
- JPN 4200 - Japanese Literature - Nineteenth and Twentieth Centuries (4)
- LBS 2000 - Interdisciplinary Approaches to Liberal Studies (4)
- LBS 4999 - Senior Thesis II (4)
- LIN 4470 - The History of Linguistics (4)
- ME 4999 - Senior Mechanical Engineering Design Project (4)
- MGT 4350 - Management Strategies and Policies (3)
- MTH 4114 - History of Mathematics (4)
- MUS 3331 - History and Literature of Medieval and Renaissance Music (3)
- MUS 3332 - History and Literature of Western Music from ca. 1850 to the Present (3)
- MUS 4320 - The Nineteenth-Century Symphony: History, Performance and Analysis (4)
- MUS 4330 - Seminar in Opera and Drama (4)
- MUS 4431 - Teaching Music in the 21st Century I (3)
- NRS 3012 - Research for Evidence-Based Nursing Practice (3)
- NRS 3071 - Research Basis of Nursing Practice (3)
- PHL 2100 - Fact, Value, and Knowledge (4)
- PHL 2200 - Ancient Greek Philosophy (4)
- PHL 2210 - Medieval Philosophy (4)
- PHL 2220 - Early Modern Philosophy (4)
- PHL 3110 - Freedom, Agency, and Responsibility (4)
- PHL 3300 - Ethical Theory (4)
- PHL 3310 - Ethics, Language and Reality (4)
- PHL 3400 - Metaphysics (4)
- PHL 3420 - Theories of Truth (4)
- PHL 3830 - Philosophy of Artificial Intelligence (4)
- PHL 4100 - Philosophy of Language (4)
- PHY 4970 - Undergraduate Seminar (3)
- PHY 4995 - Independent Research (3 TO 6)



- PS 3005 - Western Political Thought I (4)
- PS 3010 - Western Political Thought II (4)
- PS 3020 - American Political Thought (4)
- PS 3040 - International Politics: Theory and Practice (4)
- PS 3050 - Communism (4)
- PS 3070 - Politics Through Literature (4)
- PS 3215 - The Politics of Race and Ethnicity (4)
- PS 3305 - Public Administration (4)
- PS 3310 - American Public Policy (4)
- PS 3425 - The Russian Political System (4)
- PS 3730 - Global Environmental Governance (4)
- PSY 3160 - Cognitive Psychology (4)
- PSY 3180 - Biological Psychology (4)
- PSY 3210 - Child Development (4)
- PSY 3220 - Adolescence and Youth (4)
- PSY 3230 - Adulthood and Aging (4)
- PSY 3330 - Motivation (4)
- PSY 3390 - Emotion (4)
- PSY 3430 - Child Psychopathology (4)
- PSY 3440 - Behavior Analysis (4)
- PSY 4989 - History of Psychology (4)
- SED 3000 - Introduction to Secondary Education (1 TO 4)
- SED 3001 - Public Education for Prospective K-12 Teachers (2)
- SOC 3220 - Social Welfare Policies (4)
- SOC 4000 - Sociological Theory (4)
- SPN 4080 - Advanced Spanish Conversation and Composition (4)
- SPN 4160 - Spanish Literature - Fifteenth and Sixteenth Centuries (4)
- SPN 4170 - Spanish Literature - Seventeenth Century (4)
- SPN 4180 - Cervantes (4)
- SPN 4190 - Spanish Literature - Eighteenth and Nineteenth Centuries (4)
- SPN 4200 - Modern and Contemporary Spanish Literature (4)
- SPN 4880 - Spanish-American Literature before 1888 (4)
- SPN 4890 - Spanish-American Literature after 1888 (4)
- STA 4002 - Applied Linear Models I (4)
- SW 3302 - Social Welfare Policies (4)
- SW 4971 - Social Work Seminar II (4)
- THA 3001 - Theatre History I (4)
- THA 3002 - Theatre History II (4)
- WGS 4020 - Women and Gender Studies Capstone Course (4)
- WRT 2088 - Technical Writing
- WRT 3010 - Contemporary Issues in Writing and Rhetoric Studies (4)
- WRT 3020 - History of Rhetoric (4)
- WRT 3030 - Literacy, Technology, and Civic Engagement (4)
- WRT 3060 - Global Rhetorics (4)
- WRT 3062 - Writing Center Studies and Tutoring Practice (4)
- WRT 3064 - Writing About Culture: Ethnography (4)

- WRT 3070 - Digital Identity and Culture (4)
- WRT 3074 - Rhetoric and Video Games (4)
- WRT 3086 - Workshop in Creative Non-Fiction (4)
- WRT 4061 - Writing Across the University: Language and Disciplinary Culture (4)
- WRT 4908 - Special Topics in Professional Writing (4)
- WRT 4996 - Independent Study (1 TO 4)
- WRT 4998 - Capstone (4)

## **Integration Area**

### **Knowledge Applications**

The Knowledge Applications area prepares students to demonstrate:

- how knowledge in a field outside of the student's major can be evaluated and applied to solve problems across a range of applications
- knowledge of the personal, professional, ethical, and societal implications of these applications

### Notes

Knowledge Applications courses must be outside the rubric of the student's major.

Knowledge Applications may be fulfilled through approved courses that also satisfy the Exploration areas.

- AH 2200 - Introduction to the History of Western Architecture (4) Prereq: Arts
- AH 3000 - Critical Thinking and Writing in Art History II (4) Prereq: Arts (Also meets Writing Intensive in General Education)
- AH 3110 - Art of the Ancient Near East (4) Prereq: Arts
- AH 3120 - Greek Art (4) Prereq: Arts
- AH 3130 - Roman Art (4) Prereq: Arts
- AMS 3000 - Topics in American Culture (4) Prereq: Western Civilization (Also meets U.S. Diversity)
- AN 3127 - Racial and Ethnic Relations (4) Prereq: Social Science (Also meets U.S. Diversity)
- AN 3560 - Historical Archaeology (4) Prereq: Social Science (Also meets U.S. Diversity)
- APM 1663 - Mathematics for Information Technology (4) Prereq: Formal Reasoning or Natural Science and Technology
- ARB 2140 - Second Year Arabic I (4) Prereq: Foreign Language and Culture
- ARB 2150 - Second Year Arabic II (4) Prereq: Foreign Language and Culture
- ART 1150 - Drawing for Non-Majors (4) Prereq: Arts
- ART 1160 - Photography for Non-Majors (4) Prereq: Arts
- ART 1170 - Painting for Non-Majors (4) Prereq: Arts
- CHE 2140 - Second Year Chinese I (4) Prereq: Foreign Language and Culture
- CHE 2150 - Second Year Chinese II (4) Prereq: Foreign Language and Culture
- CIN 3305 - Adaptation: Fiction, Drama, Film (4) Prereq: Literature
- COM 1000 - Introduction to Communication Studies (4) Prereq: Social Science
- CSI 2520 - Interactive Web Systems (4) Prereq: Formal Reasoning

- ECN 3030 - Managerial Economics (3) Prereq: Formal Reasoning and Social Science
- ENG 3520 - African American Literature (4) Prereq: Literature (Also meets U.S. Diversity)
- ENG 3640 - Biography (4) Prereq: Western Civilization
- ENG 3675 - Adaptation: Fiction, Drama, Film (4) Prereq: Literature
- ENV 3540 - Global Environmental Governance (4) Prereq: Social Science (Also meets Writing Intensive in General Education)
- FRH 2140 - Second Year French I (4) Prereq: Foreign Language and Culture
- FRH 2150 - Second Year French II (4) Prereq: Foreign Language and Culture
- GRM 2140 - Second Year German I (4) Prereq: Foreign Language and Culture
- GRM 2150 - Second Year German II (4) Prereq: Foreign Language and Culture
- HBR 2140 - Second Year Hebrew I (4) Prereq: Foreign Language and Culture
- HBR 2150 - Second Year Hebrew II (4) Prereq: Foreign Language and Culture
- HRD 3230 - Fundamentals of Human Interaction (4) Prereq: Writing Intensive in General Education or Social Science
- HRD 3330 - Presentation and Facilitation (4) Prereq: Writing Intensive in General Education or Social Science
- HRD 3600 - Lean Principles and Practices in Organizations (4) Prereq: Writing Intensive in General Education or Social Science
- HRD 4510 - Negotiation for Personal Success (4) Prereq: Social Science
- HRD 4600 - Lean Kaizen in Organizations (4) Prereq: Social Science
- HS 4450 - Laughter as Therapeutic Modality (4) Prereq: Natural Science and Technology or Social Science (Also meets Writing Intensive in General Education)
- IS 3001 - The Global Citizen (4) Prereq: Global Perspective (Also meets Writing Intensive in General Education)
- IS 3002 - Globalization and the International System (4) Prereq: Global Perspective
- IT 2140 - Second Year Italian I (4) Prereq: Foreign Language and Culture
- ISE 1150 - How Things Work (4) Prereq: Writing Foundations
- JRN 2000 - Introduction to Journalism and News Writing (4) Prereq: Writing Foundations
- JPN 2140 - Second Year Japanese I (4) Prereq: Foreign Language and Culture
- JPN 2150 - Second Year Japanese II (4) Prereq: Foreign Language and Culture
- LIB 2500 - Introduction to Library Research and Technology in the Information Age (4) Prereq: Writing Foundations
- MTH 1555 - Calculus II (4) Prereq: Formal Reasoning
- MUS 2020 - Computer-based Music Composition (4) Prereq: Arts
- MUS 2025 - Exploring Songwriting (4) Prereq: Arts
- NRS 3081 - Human Sexuality (4) Prereq: Natural Science and Technology or Social Science (Also meets U.S. Diversity)
- NRS 4015 - Nursing Care of Communities and Populations (1 TO 5) Prereq: Global Perspective (Also meets U.S. Diversity)
- PHL 2100 - Fact, Value, and Knowledge (4) Prereq: Formal Reasoning (Also meets Writing Intensive in General Education)
- PHL 2200 - Ancient Greek Philosophy (4) Prereq: Western Civilization (Also meets Writing Intensive in General Education)
- PHL 2210 - Medieval Philosophy (4) Prereq: Western Civilization (Also meets Writing Intensive in General Education)

- PHL 2220 - Early Modern Philosophy (4) Prereq: Western Civilization (Also meets Writing Intensive in General Education)
- PHL 3300 - Ethical Theory (4) Prereq: Western Civilization (Also meets Writing Intensive in Gen Ed)
- PHL 3310 - Ethics, Language and Reality (4) Prereq: Western Civilization (Also meets Writing Intensive in General Education or Writing Intensive in the Major)
- PHL 3400 - Metaphysics (4) Prereq: Formal Reasoning (Also meets Writing Intensive in General Education or Writing Intensive in the Major)
- PHL 3420 - Theories of Truth (4) Prereq: Western Civilization (Also meets Writing Intensive in General Education or Writing Intensive in the Major)
- PHL 3830 - Philosophy of Artificial Intelligence (4) Prereq: Formal Reasoning (Also meets Writing Intensive in General Education or Writing Intensive in the Major)
- PHL 4100 - Philosophy of Language (4) Prereq: Formal Reasoning
- PHY 1020 - General Physics II (4) Prereq: Natural Science and Technology
- PHY 1090 - Principles of Physics II (4) Prereq: Natural Science and Technology
- PHY 1520 - Introductory Physics II (4) Prereq: Formal Reasoning or Natural Science and Technology
- PHY 1620 - Fundamentals of Physics II (4) Prereq: Natural Science and Technology
- PS 3730 - Global Environmental Governance (4) Prereq: Social Science (Also meets Writing Intensive in General Education)
- PSY 2250 - Introduction to Life-Span Developmental Psychology (4) Prereq: Social Science
- QMM 2400 - Statistical Methods for Business I (3) Prereq: Formal Reasoning
- QMM 2410 - Statistical Methods for Business II (3) Prereq: Formal Reasoning
- REL 3140 - Religion in the Modern World (4) Prereq: Social Science or Global Perspective
- REL 3750 - Science and Religion (4) Prereq: Natural Science and Technology
- SOC 3610 - Racial and Ethnic Relations (4) Prereq: Social Science (Also meets U.S. Diversity)
- SPN 2140 - Second Year Spanish I (4) Prereq: Foreign Language and Culture
- SPN 2150 - Second Year Spanish II (4) Prereq: Foreign Language and Culture
- WGS 3826 - Historical Archaeology (4) Prereq: Social Science (Also meets U.S. Diversity)
- WRT 2088 - Technical Writing Prereq: Writing Foundations (Also meets Writing Intensive in Gen Ed)
- WRT 3020 - History of Rhetoric (4) Prereq: Writing Foundations (Also meets Writing Intensive in General Education)
- WRT 3062 - Writing Center Studies and Tutoring Practice (4) Prereq: Writing Foundations (Also meets Writing Intensive in General Education)
- WRT 3064 - Writing About Culture: Ethnography (4) Prereq: Writing Foundations (Also meets U.S. Diversity and Writing Intensive in General Education)
- WRT 3082 - Business Writing (4) Prereq: Writing Foundations (Also meets Writing Intensive in General Education)
- WRT 3086 - Workshop in Creative Non-Fiction (4) Prereq: Writing Foundations (Also meets Writing Intensive in General Education or Writing Intensive in the Major)
- WRT 4061 - Writing Across the University: Language and Disciplinary Culture (4) Prereq: Writing Foundations (Also meets Writing Intensive in General Education or Writing Intensive in the Major)
- WRT 4908 - Special Topics in Professional Writing (4) Prereq: Writing Foundations (Also meets Writing Intensive in General Education or Writing Intensive in the Major)

- WRT 4996 - Independent Study (1 TO 4)

### Capstone

The Capstone course prepares students to demonstrate:

- appropriate uses of a variety of methods of inquiry and a recognition of ethical considerations that arise
- the ability to integrate the knowledge learned in general education and its relevance to the student's life and career

### Notes

Requirement may be met by an approved course in the major or an approved course outside of the major.

Courses approved to meet this requirement will be announced. Please check with your adviser.

- ACS 4550 - Financial Mathematics (3)
- AH 4998 - Senior Thesis in Art History I (4)
- AH 4999 - Senior Thesis in Art History II (4)
- AN 4391 - Anthropological Theory (4)
- APM 4550 - Risk Management (3)
- ART 4999 - Senior Thesis in Studio Art (4)
- BE 4999 - Research Project/Capstone Design (4)
- BCM 4257 - Biochemistry Laboratory (3)
- BIO 4970 - Scientific Inquiry and Communication (4)
- BIO 4972 - Integrative Biomedicine and Disease (4)
- CHM 4257 - Biochemistry Laboratory (3)
- CHM 4996 - Independent Research (3)
- CIN 4900 - Advanced Topics in Film (4)
- CIN 4901 - Advanced Topics in Film Theory (4)
- CIN 4999 - Filmmaking Thesis (4)
- COM 4901 - Senior Research Seminar (4)
- COM 4930 - Community Field Experience (4)
- COM 4950 - Internship (4)
- CRJ 4970 - Capstone: Criminal Justice Policy Analysis (4)
- CSI 4999 - Senior Capstone Project (4)
- CW 4200 - Advanced Workshop in Fiction (4)
- CW 4300 - Advanced Workshop in Poetry (4)
- CW 4400 - Advanced Screenwriting (4)
- CW 4450 - Advanced Television Writing (4)
- CW 4500 - Advanced Workshop Literary Nonfiction (4)
- DAN 3500 - Choreography III (4)
- DES 4999 - Senior Thesis in Graphic Design (4)
- ECE 4999 - Senior Design (4)

- ECN 4090 - Urban and Regional Economics (3)
- ECN 4180 - Seminar in Economic Policy (3)
- ECN 4210 - Monetary Economics (3)
- ECN 4500 - Risk Management (3)
- ECN 4560 - Public Finance (3)
- EED 4950 - Internship in Elementary Education (12 )
- ENG 4900 - Advanced Topics in Literature and Language (4)
- ENG 4970 - Studies in Literary Kinds (4)
- ENG 4975 - Trans-Atlantic Traditions (4)
- ENG 4980 - Studies in Major Authors (4)
- ENG 4985 - Shakespeare Seminar (4)
- ENV 4950 - Environmental Science Internship (3)
- EXS 4960 - Practicum in Exercise Science (3)
- FRH 4160 - French Literature from the Middle Ages through the Sixteenth Century (4)
- FRH 4170 - French Literature - Seventeenth and Eighteenth Centuries (4)
- FRH 4190 - French Literature - Nineteenth Century (4)
- FRH 4200 - French Literature - Twentieth Century (4)
- FRH 4970 - Undergraduate Seminar (2 OR 4)
- GRM 4130 - German Literature from the Middle Ages through the Seventeenth Century (4)
- GRM 4180 - German Literature - Eighteenth Century (4)
- GRM 4190 - German Literature - Nineteenth Century (4)
- GRM 4200 - German Literature - Twentieth Century (4)
- GRM 4970 - Undergraduate Seminar (2 OR 4)
- HRD 4950 - Internship in HRD (8)
- HS 4930 - Field Experience in Integrative Studies (4)
- HS 4500 - Ethics in Health Care (4)
- HST 4980 - Historical Research Seminar (4)
- IS 4995 - Directed Research in International Studies (2 TO 8)
- ISE 4491 - Senior Design (4)
- JRN 4120 - OU Student News Bureau (4)
- JRN 4950 - Journalism Internship (4)
- JPN 4200 - Japanese Literature - Nineteenth and Twentieth Centuries (4)
- LBS 4999 - Senior Thesis II (4)
- LIN 4470 - The History of Linguistics (4)
- ME 4999 - Senior Mechanical Engineering Design Project (4)
- MGT 4350 - Management Strategies and Policies (3)
- MTH 4114 - History of Mathematics (4)
- MUA 4998 - Senior Recital (4 OR 6)
- MUS 4320 - The Nineteenth-Century Symphony: History, Performance and Analysis (4)
- MUS 4323 - Berlin's Musical Cultures: 1900-1989 (4)
- MUS 4330 - Seminar in Opera and Drama (4)
- MUS 4431 - Teaching Music in the 21st Century I (3)
- NRS 4026 - Nursing Capstone (1 TO 5)
- NRS 4125 - Nursing Synthesis: Clinical (5)
- NRS 4585 - Nursing Capstone Experience (4)
- PHL 4970 - Seminar on a Philosophical Topic (4)

- PHY 4970 - Undergraduate Seminar (3)
- PHY 4995 - Independent Research (3 TO 6)
- PS 4950 - Public Administration Internship (4)
- PS 4955 - Political Science/International Relations Internship (4)
- PS 4970 - Seminar in American Politics (4)
- PS 4975 - Seminar in the Comparative Study of Political Systems (4)
- PS 4980 - Seminar in International Relations (4)
- PSY 4500 - Advanced Research Design in Psychology (4)
- PSY 4921 - Readings and Research Projects (4)
- PSY 4930 - Field Experience in Psychology (4)
- PSY 4971 - Seminar in Cognition, Perception, and Biological Psychology (4)
- PSY 4972 - Seminar in Developmental Psychology (4)
- PSY 4973 - Seminar in Social Psychology (4)
- PSY 4977 - Seminar: Psychopharmacology (4)
- PSY 4978 - Seminar: Cognitive Development in Children (4)
- PSY 4979 - Seminar: Resilient Aging (4)
- PSY 4980 - Seminar: Moral Development (4)
- PSY 4989 - History of Psychology (4)
- PSY 4998 - Honors Independent Studies I (4)
- SED 4952 - Internship in Secondary Education (4 TO 12)
- SOC 4000 - Sociological Theory (4)
- SPN 4160 - Spanish Literature - Fifteenth and Sixteenth Centuries (4)
- SPN 4170 - Spanish Literature - Seventeenth Century (4)
- SPN 4180 - Cervantes (4)
- SPN 4190 - Spanish Literature - Eighteenth and Nineteenth Centuries (4)
- SPN 4200 - Modern and Contemporary Spanish Literature (4)
- SPN 4880 - Spanish-American Literature before 1888 (4)
- SPN 4890 - Spanish-American Literature after 1888 (4)
- STA 4228 - Introduction to Mathematical Statistics II (4)
- SW 4971 - Social Work Seminar II (4)
- THA 4007 - Advanced Directing Project (2)
- THA 4020 - Advanced Performance Projects (0 OR 2)
- THA 4025 - Advanced Design and Technology Projects (2)
- THA 4081 - Classical Theatre Study in Greece (4)
- THA 4095 - Advanced Company Class (2 OR 4)
- THA 4950 - Internship (2 OR 4)
- WGS 4020 - Women and Gender Studies Capstone Course (4)
- WHP 4950 - Internship in Wellness and Health Promotion (4)
- WRT 4998 - Capstone (4)

### **U.S. Diversity**

U.S. Diversity prepares the student to demonstrate knowledge of how diverse value systems and societal structures in the United States are influenced by at least two of the following: race, gender, and ethnicity identify major challenges and issues these raise in society. Approved diversity courses may double count in the major and/or general education.

## Note

U.S. Diversity may be fulfilled through courses that also satisfy the Exploration areas.

- AH 3430 - Art Since 1960 (4) (Also meets Writing Intensive in Gen Ed)
- ALS 4374 - Cross-Cultural Communication (4)
- AMS 3000 - Topics in American Culture (4)
- AN 3127 - Racial and Ethnic Relations (4)
- AN 3260 - Peoples and First Nations of North America (4)
- AN 3560 - Historical Archaeology (4)
- CIN 1150 - Introduction to Film (4)
- COM 3300 - Multicultural Communication (4) (Also meets Writing Intensive in Gen Ed)
- COM 3405 - Gender Communication (4) (Also meets Writing Intensive in Gen Ed)
- DAN 1375 - Dance in American Culture (4)
- DAN 1377 - Dance in Film (4) (Also meets Arts)
- ECN 3150 - Economics of Gender and Ethnicity (3)
- EED 3001 - Managing the Classroom Community for U.S. Diverse Learners (4) (Also meets Writing Intensive in Gen Ed)
- ENG 1500 - Literature of Ethnic America (4)
- ENG 3510 - Selected Ethnic Literature (4)
- ENG 3520 - African American Literature (4)
- HRD 3530 - Cultural Diversity in the Workplace (4)
- HS 3000 - Community and Public Health (4)
- HST 1100 - Introduction to American History Before 1877 (4)
- HST 1200 - Introduction to American History Since 1877 (4)
- HST 2280 - History of the African-American People (4)
- HST 3140 - History of the American South (4)
- HST 3265 - Women in Modern America (4)
- HST 3275 - History of American Families (4)
- HST 3280 - The Civil Rights Movement in America (4)
- HST 3285 - History of African-American Women (4)
- JRN 3290 - Digital Storytelling for the Media: Diversity, Identity, and Community (4)
- MUS 1005 - Foundations of Rock (4) (Also meets Arts)
- MUS 1007 - Exploring Jazz (4) (Also meets Arts)
- MUS 1011 - Exploring Caribbean Music (4) (Also meets Arts)
- NRS 2231 - Health Promotion II (3)
- NRS 3081 - Human Sexuality (4)
- NRS 4015 - Nursing Care of Communities and Populations (1 TO 5)
- NRS 4551 - Nursing Care of Populations with Health Disparities (4)
- PS 1100 - Introduction to American Politics (4)
- PS 3215 - The Politics of Race and Ethnicity (4) (Also meets Writing Intensive in Gen Ed)
- SOC 1000 - Introduction to Sociology (4)
- SOC 3610 - Racial and Ethnic Relations (4)
- THA 3006 - Cultural and Historical Development of American Musical Theatre (4) (Also meets Writing Intensive in Gen Ed and Arts)



- WGS 1000 - Introduction to Women and Gender Studies (4)
- WGS 3821 - History of American Families (4)
- WGS 3822 - History of African-American Women (4)
- WGS 3826 - Historical Archaeology (4)
- WGS 3880 - Women in Modern America (4)
- WGS 4810 - Sexual Orientation, Gender Identity and Education (4) (Also meets Writing Intensive in Gen Ed)
- WHP 3700 - Culture, Ethnicity and Well-being (4)
- WRT 3064 - Writing About Culture: Ethnography (4) (Also meets Writing Intensive in Gen Ed)
- WRT 3070 - Digital Identity and Culture (4) (Also meets Writing Intensive in Gen Ed)

## Notes

Students using this catalog to meet general education requirements may also use any course subsequently approved by the General Education Committee and published in a later catalog to satisfy requirements in a particular area. If a course listed below is removed from lists of approved courses in later catalogs, it may still be used to meet a general education requirement by students following the 2019-2020 catalog until the catalog expires (six years).

Transfer students should refer the transfer student website.

Some of the approved courses may not be offered every semester. Students should check with their advisers to ensure that their preferred courses will be offered.

# College of Arts and Sciences

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**Dean:** *Kevin J. Corcoran, Ph.D.*

## Office of the Dean:

*Amy Banes-Berceli, associate dean; Robert B. Stewart, Jr., associate dean; Laura Culbert, assistant dean; Sandra K. Dykstra, assistant dean; Beth Dawson, financial analyst; Gerard Jozwiak, director of computing resources; Kelly A. Conway, director of development; Lori J. Posey, development associate; Angela Robinson, major gift officer; Shannon A. Esselink, director of Advising Services; Ann M. Selva, assistant director of Advising Services; Matthew Prentice, senior academic adviser; Jim Bilinski, academic adviser; Andreea Bordeianu, academic adviser; Kirsten Boutorwich, academic adviser; Kacie Cadotte, academic adviser; Nancy Gursin, academic adviser; Katie Jostock, academic adviser; Meagan Richard, academic adviser; Sarah Serrels, academic adviser.*

## Ambassadors

The College of Arts and Sciences Ambassadors are a volunteer body comprised of community leaders committed to the vision and mission of the college. Ambassadors serve as advocates, taking an active part in furthering the college's objectives.

Members of the College of Arts and Sciences Ambassadors include:

Barbara Anness, Rochester Community Schools

Mary Fisher, D.D.S.

Robert Gebbie, partner, Natural Bridge Technologies

Grant Gerhart, Ph.D., retired senior research scientist, TARDEC

Michael Glass, D.D.S., Endodontic Associates PC

Gail Haines, former state representative, Michigan State House of Representatives, 43rd District

William Horton, president and partner, Giarmarco, Mullins & Horton, P.C.

A. Randolph Judd, attorney

Thomas E. Kimble, state president, AARP of Michigan

Adam Kochenderfer, attorney, Wolfson Bolton, PLLC

Sue Mancuso

Jonathan Parks, director, GEAR UP, Wayne State University

Vito Pianello, first vice president commercial banker, First State Bank

Richard Rassel, chairman, Butzel Long

George Seifert, president, George & Betty Seifert Foundation Inc.

Lois Shaevsky

Toby Stein (retired), CO-OP Financial Services

John Stoll, global auto editor and Detroit bureau chief, Wall Street Journal

Thomas Tanghe, Auburn Hills City Manager

Kevin Wilson, teacher, Walled Lake Western High School

### **Role and Mission of the College**

The intellectual and creative capacity of the [College of Arts and Sciences](#) provides students with multiple opportunities to develop distinctive individualized academic and cultural experiences, which serve as a foundation for civic engagement, creative problem solving, entrepreneurial endeavors, and professional goals.

The college is home to a wide range of disciplines representing the humanities, social sciences, natural sciences, and fine and performing arts, as well as several interdisciplinary programs. Students share experiences that enhance written and oral communication, problem-solving and analytic skills. The college offers many opportunities to develop these skills beyond the classroom through internships, field placements and research experiences. Students learn to think creatively about the problems they confront and be adaptive in a rapidly changing world. The college faculty inspires students to become engaged citizens and professionals and individuals with an inclination toward lifelong learning.

### **Programs Offered**

The college offers instruction leading to the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Bachelor of Social Work, Master of Arts, Master of Arts in Liberal Studies, Master of Music, Master of Public Administration, Master of Science and Doctor of Philosophy degrees. In conjunction with the School of Education and Human Services, it offers instruction leading to secondary teaching certification in biology, chemistry, dance, economics, English, teaching English as a second

language, history, mathematics, modern languages and literatures, music, physics, political science and studio art, and secondary teaching endorsements in integrated science and social studies.

### **Admission**

Departmental rather than college-wide regulations govern admission to the college's majors. Students should maintain close contact with faculty advisers in the department in which they wish to major and with the college advising office.

### **Academic Advising**

In order to help students develop and achieve their academic goals, the college offers an advising program staffed by faculty advisers in each academic department and by professional advisers in the [College of Arts and Sciences Advising Office](#), 130 O'Dowd Hall, (248) 370-4567. All students are expected to meet with an adviser on a regular basis. Students who need assistance with course selection, registration, major and career choice, or who have questions about college and degree requirements, academic standing, transfer credit and petitions of exception should meet with an adviser in the College of Arts and Sciences Advising Office.

Undecided students interested in programs offered by the college should meet with an adviser in the [College of Arts and Sciences Advising Office](#) each semester until they declare a major. Once a major in the college has been declared, students should meet initially with a departmental adviser to establish a program plan and periodically thereafter to ensure that they are completing major requirements. Frequent adviser contact will help ensure that the student has current academic information and is making good progress toward a degree.

Seniors are urged to meet with a professional adviser for a graduation check prior to final registration. It is the responsibility of each student to know and meet graduation requirements and to make every effort to obtain adequate academic advising.

### **Requirements for the Bachelor of Arts and Bachelor of Science degrees**

#### **General requirements**

Each student must:

1. Complete at least 124 credits. Some degrees may require a greater number of total credits.
2. Complete the requirements for a major offered by the College of Arts and Sciences with a cumulative grade-point average of at least 2.00.
3. Complete at least 32 of these credits at Oakland University, of which at least 16 credits must be in the student's elected major.
4. Complete at least 32 credits in courses at the 3000 level or above.
5. Earn a cumulative grade point average of at least 2.00 in courses taken at Oakland University and in the major(s), any elective minor(s), and any elective concentration(s).
6. Complete the university's general education requirements (see *Undergraduate degree requirements*).
7. Complete the college exploratory requirement *described below*.

#### **College exploratory requirement**

[College of Arts & Sciences College Exploratory Requirement](#) provides students with a depth and breadth in the multi- and interdisciplinary knowledge needed in today's complex world. Through concentrated intellectual engagement in disciplines outside a student's major, this requirement offers expanded horizons and progressive challenges to more fully develop the scope of a student's understanding, abilities and accomplishments.

In addition to satisfying the university-wide general education requirements, all students with majors in the College of Arts and Sciences\* are required to complete at least three courses outside of their major rubric for a minimum of 12 credits. A student may select these courses from either of the following:

1. A single rubric of their choosing (e.g., HST) within the College of Arts and Sciences.\*\*
2. A pre-defined thematic set of courses identified on the [College of Arts and Sciences website](#).

### Notes

- Courses taken to fulfill the college exploratory requirement must be at the 1000 level or above and must be in a subject taught within the College of Arts and Sciences, with the exception of non-College courses that are part of pre-approved thematic sets.
- Pre- or corequisite courses with a rubric other than the major (e.g., CHM for biology majors) required for any major may be applied toward the exploratory requirement.
- Courses used to satisfy the general education requirements for knowledge applications, U.S. diversity, writing intensive, and capstone may be applied to the exploratory requirement as long as they are outside of the major rubric. Courses used to satisfy a student's general education requirements in all other categories will not apply.
- Students transferring courses from another institution may apply appropriate credits toward the exploratory requirement and must meet the 12-credit minimum requirement.
- Students who have completed the MACRAO agreement or MTA at a community college must complete the exploratory requirement at Oakland University or another four-year institution.
- Completion of a double major or degree or completion of a College of Arts and Sciences minor or concentration satisfies the exploratory requirement.

*\*K-12 Music Education, K-12 Studio Art Education, Dance Education, B.M., and B.F.A. majors, Honors College, Liberal Studies, and second degree students are exempt from the exploratory requirement.*

*\*\*For the purposes of the exploratory requirement, Department of Mathematics and Statistics rubrics MTH, APM, MOR, and STA are regarded as a single rubric. Department of Linguistics rubrics LIN and ALS are regarded as a single rubric. WRT 1000, 1020 and 1050 may not be used toward the exploratory requirement. Students majoring in creative writing may not use the ENG rubric toward fulfillment of the exploratory requirement. Students majoring in English may not use the CW rubric toward fulfillment of the exploratory requirement. Students majoring in linguistics may not use the ALS rubric toward fulfillment of the exploratory requirement.*

**NOTE: As a general rule, no more than eight credits of coursework used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.**

### Departmental Honors

Requirements for awarding departmental honors to students who demonstrate outstanding academic achievement are determined by each department. Please consult the appropriate department or program home page in this catalog or the chief academic adviser in each department for the specific details of these requirements. Normally, not more than one-third of a department's graduates may be awarded departmental honors.

## Major Programs

Students must fulfill all requirements of their elected majors as described in the departmental entries. A minimum cumulative grade-point average of 2.00 in the major is required for graduation. ***As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.***

Majors offered by the College of Arts and Sciences are listed below. There are no college-wide regulations governing admission to major standing or retention in the majors. Each department controls its own procedures in these areas. Therefore, students are urged to maintain close contact with faculty advisers in the department in which they wish to major and with the College of Arts and Sciences Advising Office. The majors are:

Acting (B.F.A.)	Japanese Language and Literature (B.A.)
Actuarial Science (B.S.)	Japanese Studies (B.A.)
Anthropology (B.A.)	Journalism (B.A.)
Applied Statistics (B.S.)	Latin American Language and Civilization (B.A.)
Art History (B.A.)	Latin American Studies (B.A.)
Biology (B.A. or B.S.)	Liberal Studies (B.A.)
Biochemistry (B.S.)	Linguistics (B.A.)
Bioengineering (B.S.)	Mathematics (B.A. or B.S.)
Biomedical Sciences (B.S.)	Medical Physics (B.S.)
Chemistry (B.A. or B.S.)	Music (B.A. or B.M.) <i>performance and K-12 education options</i>
Chinese Studies (B.A.)	Music Technology (B.M.)
Cinema Studies (B.A.)	Musical Theatre (B.F.A.)
Communication (B.A.)	Philosophy (B.A.)
Creative Writing (B.A.)	Physics (B.A. or B.S.)
Criminal Justice (B.A.)	Political Science (B.A.)
Dance (B.A. or B.F.A.)	Psychology (B.A.)
Economics (B.A.)	Public Administration and Public Policy (B.S.)
English (B.A.)	Public Relations and Strategic Communication (B.S.)
Environmental Science (B.S.)	Social Work (B.S.W.)
Engineering Chemistry (B.S.)	Sociology (B.A.)
Engineering Physics (B.S.)	Spanish Language and Literature (B.A.)
French Language and Literature (B.A.)	Studio Art (B.A.)

German Language and Literature (B.A.)  
 Graphic Design (B.A.)  
 History (B.A.)  
 International Relations (B.A.)

Theatre (B.A.)  
 Theatre Design and Technology (B.F.A.)  
 Women and Gender Studies (B.A.)  
 Writing and Rhetoric, B.A.

### Secondary Teacher Education Program (STEP)

In cooperation with the School of Education and Human Services, the College of Arts and Sciences offers an extended program of study leading to secondary teaching certification. Generally, eligibility for admission to the STEP requires a minimum GPA of 3.00 in both the major and minor, and an overall GPA of at least 2.80. No single major, minor, or concentration course grade may be below C, and a minimum grade of B is required in WRT 1060 - Composition II or its equivalent. Second undergraduate degree candidates completing a major and/or minor or concentration for STEP may be required to complete coursework at Oakland University beyond the stated minimums. Majors in music education and studio art education, and modern language education (French, German, Japanese, and Spanish) complete the requirements for K-12 certification. For more information on program and admission requirements and procedures, please consult with advisers in the appropriate College of Arts and Sciences department and the School of Education and Human Services. The majors in this program include:

Biological Sciences (B.A. or B.S.)  
 Chemistry (B.A. or B.S.)  
 English (B.A.)  
 French (B.A.) K-12  
 German (B.A.) K-12  
 History (B.A.)  
 Japanese (B.A.) K-12

Mathematics (B.A. or B.S.)  
 Music Education, Choral/General (B.M.)  
 Music Education, Instrumental/General (B.M.)  
 Physics (B.A. or B.S.)  
 Spanish (B.A.) K-12  
 Studio Art Education (B.A.) K-12  
 Teaching English as a Second Language (TESL)

### International Studies Programs

[The International Studies Program](#) offers majors and minors in international studies; it also sponsors study abroad programs for students and the general public. For information about majors and study abroad programs see the International Studies Program section of the catalog and consult with the program director, Paul J. Kubicek at (248) 370-2363.

### Multiple Majors

Students who elect to major in more than one area in the College of Arts and Sciences must satisfy the specific requirements of each of the majors they choose. Such students are single degree candidates with more than one major and must satisfy the general and specific requirements applicable to the awarding of one degree, either a Bachelor of Arts or a Bachelor of Science. As a general rule, no more than eight credits of coursework used to satisfy one major, minor or concentration may be applied toward another, **but exceptions to this rule may be allowed with the written approval of the program coordinators**. Forms for students requesting an additional major are available in the advising office and should be completed by students wishing to graduate with more than one major. Under certain conditions, a student may earn more than one degree. Such students are double-degree candidates. For

information on the restrictions that apply to the awarding of more than one degree and the requirements that double-degree candidates must satisfy, please see Additional Undergraduate Degrees and Majors in the Academic Policies and Procedures section of this catalog. Completion of a second major satisfies the College of Arts and Sciences exploratory requirement.

### **Independent Majors**

Students interested in academic areas in which no suitable major program is available may petition the college Committee on Instruction for an individually tailored independent major in place of one of the departmental majors listed above. An independent major also may be taken as part of a double-major program in conjunction with a regular departmental major, provided that no course counted toward completion of the departmental major is also counted toward completion of the independent major. Students will be admitted to the independent major only after completing 32 credits but before completing 90 credits. For the specific requirements of an independent major, consult the College of Arts and Sciences Advising Office, 130 O'Dowd Hall, (248) 370-4567.

### **Minors for Liberal Arts Degree Programs**

Minors are not required by the College of Arts and Sciences for baccalaureate programs, but the college offers a number of liberal arts minors that students may pursue in addition to the required major. A cumulative grade-point average of 2.00 is required in courses included in the minor. At least eight of the credits offered for each minor must be taken at Oakland University. As a general rule, no more than eight credits of coursework used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators. The catalog chosen for the student's major will also be used to determine degree requirements for any minor the student may be pursuing unless a written plan of study has been approved by the department or school offering that program. Forms for planning and approval of minors are available from departments or from the College of Arts and Sciences Advising Office (221 Varner Hall). If a department or program does not require an approved plan of study, a student is still entitled to negotiate in writing a minor or concentration with the program coordinator.

The college offers the following minors\*:

advertising ( <i>under Communication and Journalism</i> )	Italian language
African and African-American studies	Japanese language
anthropology	Japanses language and civilization
applied mathematics ( <i>for students in SECS</i> )	Japanese studies
applied statistics	jazz studies
art history	journalism
biology	Judaic studies
chemistry	LGBTQ studies
child welfare ( <i>for social work majors only</i> )	Latin American studies
Chinese language and civilization	linguistics
Chinese studies	mathematics
Christianity studies	music
cinema studies	music theory

communication	organizational communication
creative writing	philosophy
criminal justice	physics
dance	political science
digital media production	psychology
economics	public administration and public policy
English	public relations
environmental science	relational communicatoin
French language	Russian and East European studies
French language and literature	sociology
German language	South Asian studies
German language and literature	Spanish language
German studies	Spanish language and literature
graphic design	studio art
history	teaching English as a second language (TESL)
interactive and social media	theatre
international relations	urban agriculture and agroecology
international studies	women and gender studies
Islamic studies	world music
	writing and rhetoric

Completion of a College of Arts and Sciences minor satisfies the College of Arts & Sciences College Exploratory Requirement.

Minors from other academic units are also accepted by the college for students graduating with a major from the College of Arts and Sciences. Requirements for these minors are described under departmental entries as indicated. These minors include: in the School of Business Administration, accounting, finance, business, human resources management, international management, management information systems, and marketing; in the School of Education and Human Services, human resource development, and employment systems and standards; in the School of Engineering and Computer Science, computer science, computing, and information technology; and in the School of Health Sciences, environmental health and safety, nutrition and health, and wellness and health promotion.

*\*These minors do not count toward an elementary or a secondary teaching credential. For further information on minors without section references, see the departmental chapter of the same name.*

### **Secondary Teaching Minors and Concentrations**

Completion of a secondary teaching minor or concentration is required as part of the secondary teacher education program (STEP) in preparation for teacher certification by the Michigan Department of Education. Only programs entitled "secondary teaching minors" are acceptable by the department.



Generally, a cumulative grade-point average of 3.00 is required in courses included in the minor or concentration, with no single course grade below C. Second undergraduate degree candidates completing a major and/or minor for STEP may be required to complete coursework at Oakland University beyond the stated minimums. The College of Arts and Sciences offers the following secondary teaching minors or concentrations, which are described in detail under departmental entries in this catalog: biology, chemistry, economics, English, teaching English as a second language (TESL), history, integrated science, mathematics, modern languages (Chinese, French, German, Japanese, Spanish), physics, political science and social studies. As a general rule, no more than eight credits of coursework used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

Completion of a College of Arts and Sciences secondary teaching minor or concentration satisfies the College of Arts and Sciences exploratory requirement.

### **Concentrations**

The College of Arts and Sciences offers a number of concentrations that students may pursue in addition to a departmental major. Concentrations are elective and are not required for graduation. No specific grade-point average is required for completion of any given concentration. At least 12 of the credits offered for each concentration must be taken at Oakland University. As a general rule, no more than eight credits of coursework used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators. The catalog chosen for the student's major will also be used to determine degree requirements for any concentration the student may be pursuing. Students should file the University's Minor and Concentration Authorization Form with the department or school offering that program.

Concentrations offered include:

addiction studies	gerontology
American studies	pre-medical studies in medical, dentistry, optometry and veterinary medicine
archaeology	
criminal justice	pre-law studies
environmental studies	religious studies
French studies	urban studies

Concentrations from other academic units are also accepted by the college for students graduating with a major from the College of Arts and Sciences. Requirements for these concentrations are described under department entries as indicated.

Completion of a College of Arts and Sciences concentration satisfies the College of Arts and Sciences exploratory requirement.

### **Additional Information**

#### **Special provisions for transfer students**

The University's [General Education Requirements](#) and the [College's Exploratory Requirement](#) call for a distribution of courses among various fields as well as a total number of credits. Students [transferring](#) from other institutions may meet a four-credit field requirement with an appropriate three-credit transfer course. Such students, however, must take additional courses from any of the field categories to bring the total number of credits completed up to those required for their degree: 40 general education credits plus 12 college exploratory credits for the Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. Students who have completed the MTA or MACRAO agreement must complete the college exploratory requirement at a four-year institution.

Students may transfer applicable community college credits at any time during their course of study; however, such credits are limited to no more than one-half the minimum credits required for completion of a specific baccalaureate degree program. Once this credit limit has been reached, additional community college courses may not apply. At least one-half of the credits required for completion of a specific baccalaureate degree program must be from regionally accredited four-year institutions, with at least 32 credits earned at Oakland University. (see [Transfer student information](#)).

## Department of Art and Art History

310 WILSON HALL  
(248) 370-3375  
Fax: (248) 370-3377

Chairperson: Dick Goody

Professors emeriti: Bonnie F. Abiko (Art History), Janice G. Schimmelman (Art History)

Professor: Claude Baillargeon (Art History), Susan E. Wood (Art History), Dick Goody (Art)

Associate professors: John J. Corso, Jr. (Art History), Susan E. Evans (Art), Colleen Ludwig (Art), Sally S. Tardella (Art), Cody VanderKaay (Art)

Assistant professors: Petya Andreeva (Art History), Meaghan Barry (Graphic Design), Bruce Charlesworth (Art), Kimberly Parker (Graphic Design), Maria Smith Bohannon (Graphic Design), Galina Tirnanic (Art History)

Assistant adjunct professor: Lynn M. Galbreath Fausone (Art and Graphic Design)

Visiting assistant professors: Aisha Bakde (Graphic Design), Lindsey Larsen (Graphic Design)

Special lecturers: Eugene Clark (Art), Miranda Clark (Art), John Corbin (Art), Amy E. Feigley-Lee (Art), Grace Frost (Art), Jennifer-Clare Gawaran (Art), Tim Gralewski (Graphic Design), Richard Haley (Art), Laura Hall (Graphic Design), Keegan Kuvach (Art), Louisa Ngote (Art History), Rachel Reynolds Zahorsky (Art), Ryan Standfest (Art), Donna Voronovich (Art History), Bonnie Zielinski (Graphic Design)

Lecturers: Nic Bongers (Graphic Design), Courtney Jentzen (Graphic Design), David Lambert (Art), Laura Makar (Art), Martha Mysko (Art), Elizabeth Welch (Graphic Design).

Chief academic adviser: Claude Baillargeon

Art history adviser: Susan Wood

Graphic design adviser: Maria Smith Bohannon

Studio art adviser: Claude Baillargeon

Studio art K-12 art education adviser: Bruce Charlesworth

Director of Oakland University Art Gallery: Dick Goody

The department offers programs of study leading to the Bachelor of Arts degree with a major in art history, graphic design or graphic design with K-12 education certification, studio art or studio art with K-12 art education certification. The department's curriculum encompasses artmaking as an aesthetic expression of intellectual vision, and contextual study and research into the exceptional range of aesthetic expression throughout history. Majors and non-majors can develop their knowledge and understanding of the history and practice of the visual arts. Minors in art history, graphic design and studio art are also available.

The study of art history, by its nature, is an interdisciplinary endeavor, encompassing diverse areas of the humanities. It draws upon political, economic, social, religious and intellectual history as well as aspects of the natural sciences. Through emphasis on analysis and scholarly criticism, the art history curriculum provides an excellent foundation in the visual arts of both western and non-western cultures. Critical thinking and writing are cornerstones of the art history program, with the aim that students acquire a sense of the various methodologies and theoretical issues that characterize the discipline itself.

Studio art is an academic discipline that embraces both visual communication and expression of an intellectual vision. Students gain a solid grounding in aesthetic and critical theory, develop technical skills in a variety of artistic media, and expand their abilities to conceptualize and communicate their own vision through aesthetic means. Majors in studio art may specialize in drawing, new media, painting or photography.

Graphic design uses problem-solving skills to organize typography and image to create visual representations of ideas and messages. The graphic design major covers design theory, design history, materials and processes, as well as graphic design studio/professional industry standards and practices.

Studies in art, art history and graphic design require a high level of critical thinking and intellectual inquiry, as well as social, cultural, aesthetic and ideological exploration. Our goal as a department is to produce articulate, knowledgeable graduates, whose highly developed communication skills and creative problem solving abilities give them confidence, insight and skills to further their careers. Our majors go on in the field both through further study in graduate school, and in careers as artists, arts administrators in museums and the public sector, art conservationists, teachers, and in the wide range of careers which value the creative problem-solving abilities gained in the study and practice of art.

### **Departmental Honors in Art History**

Graduating seniors who have completed 20 credits of art history at Oakland University with a GPA of 3.65 or higher in art history courses will be considered for departmental honors. Art history faculty will review the student's AH 4998 and AH 4999 capstone work and vote on whether to award honors.

### **Departmental Honors in Graphic Design**

Graduating seniors who have completed 20 credits of graphic design at Oakland University with a GPA of 3.65 or higher in graphic design courses will be considered for departmental honors. Design faculty will review the student's DES 4999 work and vote on whether to award honors.

### **Departmental Honors in Studio Art**

Graduating seniors who have completed 20 credits of studio art at Oakland University with a GPA of 3.65 or higher in studio art courses will be considered for departmental honors. Studio art faculty will review the student's ART 4999 work and vote on whether to award honors.

### **Programs**

- Art History Minor
- Art History, B.A.
- Graphic Design Minor
- Graphic Design, B.A.
- Studio Art Minor
- Studio Art with K-12 Art Education
- Studio Art with K-12 Art Education Certification, Specialization in Graphic Design
- Studio Art, B.A.

### **Art History Minor**

Requirements for the liberal arts minor in art history

A minimum of 20 credits to be distributed as shown below. At least 12 credits from offerings in art history must be taken at Oakland. Only courses in which the student has earned a grade of C may be counted toward the art history minor.

#### 1. Core courses (choose two)

AH 1001 - History of Western Art, Prehistory through Medieval (4)

AH 1002 - History of Western Art, Renaissance to Present (4)

AH 1003 - Arts of Asia and the Islamic World (4)

#### 2. Distribution courses (one course from any two of the following categories)

Non-Western

AH 3010 - Japanese Art (4)

AH 3020 - Chinese Art (4)

AH 3030 - Chinese Architecture (4)  
AH 3040 - Buddhist Art (4)  
AH 3050 - African Art (4)  
AH 3070 - Native American Art (4)  
AH 3080 - Latin American Art (4)  
AH 3110 - Art of the Ancient Near East (4)  
AH 3240 - Islamic Art (4)  
AH 3890 - Seminar in Art History (4)

#### Ancient/Medieval

AH 3110 - Art of the Ancient Near East (4)  
AH 3120 - Greek Art (4)  
AH 3130 - Roman Art (4)  
AH 3220 - Early Medieval, Byzantine, and Romanesque Art (4)  
AH 3230 - Gothic Art (4)  
AH 3240 - Islamic Art (4)  
AH 3630 - German Art (4)  
AH 3890 - Seminar in Art History (4)

#### Renaissance/Baroque

AH 3080 - Latin American Art (4)  
AH 3220 - Early Medieval, Byzantine, and Romanesque Art (4)  
AH 3310 - Renaissance Art in Italy (4)  
AH 3320 - Renaissance Art in Northern Europe (4)  
AH 3350 - Baroque Art (4)  
AH 3610 - Russian Art (4)  
AH 3620 - English Art (4)  
AH 3630 - German Art (4)  
AH 3890 - Seminar in Art History (4)

#### American/Modern

AH 3410 - Nineteenth-Century Art (4)  
AH 3420 - Modern Art 1900-1960 (4)  
AH 3430 - Art Since 1960 (4)  
AH 3440 - Modern Architecture and Urban Design (4)  
AH 3510 - History of Prints and Printmaking (4)  
AH 3540 - History of Photography I, 1825 to 1914 (4)  
AH 3550 - History of Photography II, 1914 to Present (4)  
AH 3560 - Film and the Visual Arts (4)  
AH 3610 - Russian Art (4)  
AH 3650 - American Art (4)  
AH 3651 - African-American Art (4)  
AH 3710 - Visual Representations and the Nuclear Experience (4)  
AH 3890 - Seminar in Art History (4)

## Note

AH 3080 - Latin American Art may satisfy the requirement either for Non-Western or for Renaissance/Baroque, but not both.

AH 3110 - Art of the Ancient Near East may satisfy the requirement either for Non-Western or for Ancient/Medieval, but not both.

AH 3220 - Early Medieval, Byzantine, and Romanesque Art may satisfy the requirement either for Ancient/Medieval or for Renaissance/Baroque, but not both.

AH 3240 - Islamic Art  
may satisfy the requirement either for Non-Western or for Ancient/Medieval, but not both.

AH 3610 - Russian Art may satisfy the requirement either for Renaissance/Baroque or for American/Modern, but not both.

AH 3630 - German Art may satisfy the requirement either for Ancient/Medieval or for Renaissance/Baroque, but not both.

AH 3890 - Seminar in Art History may satisfy one of the above requirements, the subject area of which will determine the category.

Students using this catalog to meet art history minor requirements may also use any course subsequently approved as satisfying requirements in the Non-Western, Ancient/Medieval, Renaissance/Baroque, and American/Modern groups and published in a later catalog.

### 3. Four elective credits from AH courses

#### **Art History, B.A.**

Requirements for the liberal arts major in art history, B.A. program

A minimum of 52 credits, distributed as shown below. At least 16 credits in the major must be taken at Oakland University. Only courses in which the student has earned a grade of C may be counted toward the art history major.

#### 1. Core courses

AH 1001 - History of Western Art, Prehistory through Medieval (4)

AH 1002 - History of Western Art, Renaissance to Present (4)

AH 1003 - Arts of Asia and the Islamic World (4)

#### 2. Writing intensive in the major

AH 2000 - Critical Thinking and Writing in Art History I (4) (Should be taken early in the student's major course work. Normally no more than 20 credits in the art history major may be taken prior to this course.)

AH 3000 - Critical Thinking and Writing in Art History II (4)

### 3. Distribution courses (select one course from each of the following four categories)

#### Non-Western

- AH 3010 - Japanese Art (4)
- AH 3020 - Chinese Art (4)
- AH 3030 - Chinese Architecture (4)
- AH 3040 - Buddhist Art (4)
- AH 3050 - African Art (4)
- AH 3070 - Native American Art (4)
- AH 3080 - Latin American Art (4)
- AH 3110 - Art of the Ancient Near East (4)
- AH 3240 - Islamic Art (4)
- AH 3890 - Seminar in Art History (4)

#### Ancient/Medieval

- AH 3110 - Art of the Ancient Near East (4)
- AH 3120 - Greek Art (4)
- AH 3130 - Roman Art (4)
- AH 3220 - Early Medieval, Byzantine, and Romanesque Art (4)
- AH 3230 - Gothic Art (4)
- AH 3240 - Islamic Art (4)
- AH 3630 - German Art (4)
- AH 3890 - Seminar in Art History (4)

#### Renaissance/Baroque

- AH 3080 - Latin American Art (4)
- AH 3220 - Early Medieval, Byzantine, and Romanesque Art (4)
- AH 3310 - Renaissance Art in Italy (4)
- AH 3320 - Renaissance Art in Northern Europe (4)
- AH 3350 - Baroque Art (4)
- AH 3610 - Russian Art (4)
- AH 3620 - English Art (4)
- AH 3630 - German Art (4)
- AH 3890 - Seminar in Art History (4)

#### American/Modern

- AH 3410 - Nineteenth-Century Art (4)
- AH 3420 - Modern Art 1900-1960 (4)
- AH 3430 - Art Since 1960 (4)
- AH 3440 - Modern Architecture and Urban Design (4)
- AH 3510 - History of Prints and Printmaking (4)
- AH 3540 - History of Photography I, 1825 to 1914 (4)
- AH 3550 - History of Photography II, 1914 to Present (4)
- AH 3560 - Film and the Visual Arts (4)
- AH 3610 - Russian Art (4)

AH 3650 - American Art (4)  
 AH 3651 - African-American Art (4)  
 AH 3710 - Visual Representations and the Nuclear Experience (4)  
 AH 3890 - Seminar in Art History (4)

#### Notes

AH 3080 - Latin American Art may satisfy the requirement either for Non-Western or for Renaissance/Baroque but not both.

AH 3110 - Art of the Ancient Near East may satisfy the requirement either for Non-Western or for Ancient/Medieval, but not both.

AH 3220 - Early Medieval, Byzantine, and Romanesque Art may satisfy the requirement either for Ancient/Medieval or for Renaissance/Baroque, but not both.

AH 3240 - Islamic Art  
 may satisfy the requirement either for Non-Western or for Ancient/Medieval, but not both.

AH 3610 - Russian Art may satisfy the requirement either for Renaissance/Baroque or for American/Modern, but not both.

AH 3630 - German Art may satisfy the requirement either for Ancient/Medieval or for Renaissance/Baroque, but not both.

AH 3890 - Seminar in Art History may satisfy one of the above requirements, the subject area of which will determine the category.

Students using this catalog to meet art history major requirements may also use any course subsequently approved as satisfying requirements in the Non-Western, Ancient/Medieval, Renaissance/Baroque, and American/Modern groups and published in a later catalog.

4. Four elective credits from AH courses
5. Studio art elective (choose one)

ART 1150 - Drawing for Non-Majors (4)  
 ART 3330 - Historic Painting Techniques I (4)

#### 6. Capstone courses

AH 4998 - Senior Thesis in Art History I (4)  
 AH 4999 - Senior Thesis in Art History II (4)

#### Language requirement

Students must also complete one semester of a foreign language. This requirement also fulfills General Education: Foreign Language and Culture. For students intending to pursue graduate study, the departmental faculty recommends two years of college-level foreign language.



## Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of coursework used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Graphic Design Minor**

Requirements for the liberal arts minor in graphic design

A minimum of 24 credits in studio art and graphic design courses to be distributed as shown below. At least 12 credits from offerings in studio art and graphic design must be taken at Oakland. Only courses in which a student has earned at least a B- (2.7) may be counted toward the graphic design minor.

#### 1. Required courses in studio art

ART 1002 - Foundations of Studio Art: 2D (4)  
 ART 1004 - Foundations of Media Art (4)  
 DES 1130 - Foundations of Graphic Design (4)

#### 2. Required courses in graphic design

DES 2230 - Graphic Design I (4)  
 DES 3340 - Web Design I (4)  
 DES 3350 - Typography (4)

### **Graphic Design, B.A.**

Requirements for the liberal arts major in graphic design, B.A.

All majors in graphic design are required to complete successfully core foundation courses, art history courses and graphic design courses. Only courses in which the student has earned at least a B- (2.7) may be counted toward the graphic design major. Only 16 transfer credits may be counted towards the graphic design major. A minimum of 64 credits are required for the major, to be distributed as follows:

#### 1. Foundations

ART 1002 - Foundations of Studio Art: 2D (4)  
 ART 1004 - Foundations of Media Art (4)  
 ART 2100 - Introduction to Drawing (4)  
 DES 1130 - Foundations of Graphic Design (4)

#### 2. Art history

AH 1002 - History of Western Art, Renaissance to Present (4)

AH 3530 - History and Theory of Graphic Design (4)

One elective 3000 level AH course (4)

### 3. Graphic design

DES 2230 - Graphic Design I (4)

DES 3330 - Graphic Design II (4)

DES 3340 - Web Design I (4)

DES 3350 - Typography (4)

DES 3360 - Motion Graphics (4)

DES 4430 - Graphic Design III (4)

DES 4999 - Senior Thesis in Graphic Design (4)

(permission of instructor required for enrollment in DES 4999 )

### 4. Graphic design electives - choose any two of the following

DES 3345 - Web Design II (4)

DES 3370 - Digital Illustration in Graphic Design (4)

DES 3375 - Investigating Printmaking (4)

DES 3380 - Community Design (4)

DES 3390 - Package Design (4)

DES 3900 - Special Topics in Graphic Design (4)

DES 3950 - Internship in Design (4)

#### Note:

Students using this catalog to meet graphic design major requirements may also use any course subsequently approved as satisfying requirements in the graphic design electives groups and published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Studio Art Minor**

Requirements for the liberal arts minor in studio art

A minimum of 24 credits in studio art courses distributed as shown below. At least 12 credits from offerings in studio art must be taken at Oakland. Only courses in which a student has earned a grade of C may be counted toward the studio art minor.

1. Three required courses

ART 1002 - Foundations of Studio Art: 2D (4)

ART 1003 - Foundations of Studio Art: 3D (4)

ART 1004 - Foundations of Media Art (4)

2. 12 credits from studio art courses

At least one 4-credit course must be at the 3000 level

Courses may not include ART 1130, ART 1150, ART 1160, and ART 1170

### Studio Art with K-12 Art Education

The art education program at Oakland University is an extended program of study leading to K-12 certification in art. This program is offered in conjunction with the Secondary Teacher Education Program (STEP) in the School of Education and Human Services. Generally, eligibility for admission to the program requires a GPA of 3.00 in the major, and an overall GPA of 2.80. No single course grade may be below a C (2.0). Since admission to this program is highly competitive, not all of those who achieve these minimal GPA standards will be admitted. Students interested in the K-12 art education certification should consult often with the art and art history department's adviser. A maximum of 16 transfer credits may be used toward the major, in addition to the required 9 corequisite credits. Students in this program must complete the requirements listed below.

The K-12 studio art education program also includes a sequence of undergraduate coursework in art education, listed below after the art requirements. Further details on program and admission requirements and procedures can be found in the School of Education and Human Services portion of the catalog and by consulting advisers in the Department of Art and Art History, and the School of Education and Human Services advising office, 363 Pawley Hall, (248) 370-4182.

1. Core courses, studio art

ART 1002 - Foundations of Studio Art: 2D (4)

ART 1003 - Foundations of Studio Art: 3D (4)

ART 1004 - Foundations of Media Art (4)

ART 1130 - Graphic Design for Non-Majors (4)

ART 2100 - Introduction to Drawing (4)

ART 2300 - Introduction to Painting (4)

ART 2400 - Introduction to Photography (4)

ART 2500 - Introduction to Sculpture (4)

ART 4988 - Seminar in Studio Art (4)

ART 4999 - Senior Thesis in Studio Art (4)

2. Core courses, art history

AH 1001 - History of Western Art, Prehistory through Medieval (4)

AH 1002 - History of Western Art, Renaissance to Present (4)

AH 1003 - Arts of Asia and the Islamic World (4)

3. Art history elective - choose any one of the following

AH 2100 - Concepts of Modern and Postmodern Art (4)

AH 3420 - Modern Art 1900-1960 (4)

AH 3430 - Art Since 1960 (4)

AH 3550 - History of Photography II, 1914 to Present (4)

AH 3710 - Visual Representations and the Nuclear Experience (4)

AH 3890 - Seminar in Art History (4) (if it pertains to 20th or 21st century art)

AH 3900 - Special Topics in Art History (1 TO 4) (if it pertains to 20th or 21st century art and offered for 4 credits)

Note: Photography students must take AH 3550 - History of Photography II, 1914 to Present.

4. Choose one of the following specializations

Drawing

ART 3150 - Process Drawing (4)

ART 3340 - Painting Practices (4)

ART 3360 - Drawing/Painting Studio (4)

ART 3380 - Drawing/Painting Contexts (4)

Interactive Art and Technology

ART 2200 - Introduction to Interactive Art and Technology (4)

ART 3240 - Interactive Art (4)

ART 3260 - Fabrication and Coding Practices (4)

ART 3280 - Video, Performance, and Installation (4)

Painting

ART 3150 - Process Drawing (4)

ART 3340 - Painting Practices (4)

ART 3380 - Drawing/Painting Contexts (4)

ART 3360 - Drawing/Painting Studio (4)

Photography

ART 3150 - Process Drawing (4)

ART 3430 - Digital Photography (4)

ART 3450 - Analogue Photography (4)

ART 3480 - Alternative Photography (4)

5. Corequisite studio art (3D) courses - 9 credits

Studio art education candidates must also take the following courses at Macomb Community College or Oakland Community College (or equivalent):

ceramics/pottery  
wheel-thrown ceramics/pottery  
jewelry/metalworking

#### 6. Art education and education courses

The K-12 studio art education program also includes a sequence of undergraduate coursework in art education and education to include:

EED 2000 - Exploring K-8 Teaching: Responsibilities and Opportunities in Education (3)

or SED 3000 - Introduction to Secondary Education (4)

AED 4120 - Visual Culture, Theories in Art Education (2)

AED 4220 - Teaching Art in the Elementary School (4)

AED 4221 - Teaching Art in the Middle School (2)

AED 4320 - Teaching Art at the Secondary Level (4)

AED 4950 - Internship in Art Education (12 )

EED 3001 - Managing the Classroom Community for U.S. Diverse Learners (4)

RDG 4238 - Teaching Reading in the Content Areas (4)

FE 3010 - Educational Psychology for K-12 Educators (4)

SE 4401 - Introduction to Students with Special Needs (4)

#### Further details

Further details on program and admission requirements and procedures can be found in the School of Education and Human Services portion of the catalog and by consulting advisers in the Department of Art and Art History and the School of Education and Human Services Advising Office, 363 Pawley Hall, (248) 370-4182.

#### **Studio Art with K-12 Art Education Certification, Specialization in Graphic Design**

Requirements for studio art with K-12 Art Education Certification, specialization in graphic design

The art education program at Oakland University is an extended program of study leading to K-12 certification in art. This program is offered in conjunction with the Secondary Teacher Education Program (STEP) in the School of Education and Human Services. Generally, eligibility for admission to the program requires a GPA of 3.00 in the major, and an overall GPA of 2.80. No single course grade may be below a C (2.0). Since admission to this program is highly competitive, not all of those who achieve these minimal GPA standards will be admitted. Students interested in the K-12 art education certification should consult often with the art and art history department's adviser. A maximum of 16 transfer credits may be used toward the major, in addition to the required 12 corequisite credits. Students in this program must complete the requirements for a B.A. degree in the College of Arts and Sciences and concurrently fulfill the requirements listed below:

1. Core courses, studio art and design

ART 1002 - Foundations of Studio Art: 2D (4)  
 ART 1004 - Foundations of Media Art (4)  
 ART 2100 - Introduction to Drawing (4)  
 ART 2300 - Introduction to Painting (4)  
 ART 2400 - Introduction to Photography (4)  
 ART 2500 - Introduction to Sculpture (4)  
 DES 1130 - Foundations of Graphic Design (4)

## 2. Core courses, art history

AH 1001 - History of Western Art, Prehistory through Medieval (4)  
 AH 1002 - History of Western Art, Renaissance to Present (4)  
 AH 1003 - Arts of Asia and the Islamic World (4)  
 AH 3530 - History and Theory of Graphic Design (4)

## 3. Graphic design specialization

DES 2230 - Graphic Design I (4)  
 DES 3330 - Graphic Design II (4)  
 DES 3340 - Web Design I (4)  
 DES 3350 - Typography (4)  
 DES 3360 - Motion Graphics (4)  
 DES 4999 - Senior Thesis in Graphic Design (4) (permission of instructor and major requirement audit required to enroll in DES 4999)

## 4. Graphic design electives - choose any two of the following:

DES 3370 - Digital Illustration in Graphic Design (4)  
 DES 3375 - Investigating Printmaking (4)  
 DES 3380 - Community Design (4)  
 DES 3390 - Package Design (4)  
 DES 3900 - Special Topics in Graphic Design (4)  
 DES 3950 - Internship in Design (4)

## 5. Corequisite studio art (3D) courses - 9 credits

Studio art education candidates must also take the following courses at Oakland University, Macomb Community College or Oakland Community College (or equivalent):

ceramics/pottery  
 wheel-thrown ceramics/pottery  
 jewelry/metalworking

## 6. Art education and education courses

The K-12 studio art education program also includes a sequence of undergraduate coursework in art education and education to include:

EED 2000 - Exploring K-8 Teaching: Responsibilities and Opportunities in Education (3)

or SED 3000 - Introduction to Secondary Education (4)

AED 4120 - Visual Culture, Theories in Art Education (2)

AED 4220 - Teaching Art in the Elementary School (4)

AED 4221 - Teaching Art in the Middle School (2)

AED 4320 - Teaching Art at the Secondary Level (4)

AED 4950 - Internship in Art Education (12 )

EED 3001 - Managing the Classroom Community for U.S. Diverse Learners (4)

FE 3010 - Educational Psychology for K-12 Educators (4)

RDG 4238 - Teaching Reading in the Content Areas (4)

SE 4401 - Introduction to Students with Special Needs (4)

#### Further Information

Further details on program and admission requirements and procedures can be found in the School of Education and Human Services portion of the catalog and by consulting advisers in the Department of Art and Art History and the School of Education and Human Services advising office, 363 Pawley Hall, (248) 370-4182.

#### **Studio Art, B.A.**

Requirements for the liberal arts major in studio art, B.A.

All majors in studio art must complete a group of core, specialization, elective, required, seminar and capstone courses. A minimum of 62 credits are required for the major; distributed as shown below. Only courses in which the student has earned at least a C may be counted toward the major. A maximum of 16 transfer credits may be used toward the major.

##### 1. Core art courses

ART 1002 - Foundations of Studio Art: 2D (4)

ART 1003 - Foundations of Studio Art: 3D (4)

ART 1004 - Foundations of Media Art (4)

ART 2000 - Critical Theory and Practice in Art (4)

ART 3000 - Professional Practices and Portfolio Design (2)

ART 4988 - Seminar in Studio Art (4)

ART 4999 - Senior Thesis in Studio Art (4)

##### 2. Core art history course

AH 1002 - History of Western Art, Renaissance to Present (4)

##### 3. Studio art elective courses - 8 credits

Choose any 2000-, 3000-, or 4000-level studio art courses (excluding ART 2000, ART 3000, and ART 4999).

Up to two sections of ART 4988 - Seminar in Studio Art may be taken, one counting as a core art requirement.

4. Art history elective courses - 8 credits

Choose any 2000- or 3000-level AH courses (except AH 2000 and AH 2200).

Art majors specializing in photography must complete AH 3550 and either AH 3540 or AH 3710.

5. Choose one of the following specializations

Drawing

- ART 2100 - Introduction to Drawing (4)
- ART 3150 - Process Drawing (4)
- ART 3360 - Drawing/Painting Studio (4)
- ART 3380 - Drawing/Painting Contexts (4)

Interactive Art/Technology

- ART 2200 - Introduction to Interactive Art and Technology (4)
- ART 3240 - Interactive Art (4)
- ART 3260 - Fabrication and Coding Practices (4)
- ART 3280 - Video, Performance, and Installation (4)

Painting

- ART 2300 - Introduction to Painting (4)
- ART 3340 - Painting Practices (4)
- ART 3360 - Drawing/Painting Studio (4)
- ART 3380 - Drawing/Painting Contexts (4)

Photography

- ART 2400 - Introduction to Photography (4)
- ART 3430 - Digital Photography (4)
- ART 3450 - Analogue Photography (4)
- ART 3480 - Alternative Photography (4)

Note

Students using this catalog to meet studio art major requirements may also use any course subsequently approved as satisfying requirements under the studio art and art history electives categories (requirements #3 and #4 above) and published in a subsequent catalog.

Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).



As a general rule, no more than eight credits of coursework used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Courses**

#### **AH 1001 - History of Western Art, Prehistory through Medieval (4)**

History and analysis of the visual arts of western Europe from prehistoric times through the Medieval period. Satisfies the university general education requirement in the arts knowledge exploration area.

#### **AH 1002 - History of Western Art, Renaissance to Present (4)**

History and analysis of the visual arts of western Europe from the Renaissance to the present. Satisfies the university general education requirement in the arts knowledge exploration area.

#### **AH 1003 - Arts of Asia and the Islamic World (4)**

Introduction to the monuments of Asia, including India, China, Japan and the Islamic world, including the Near East and North Africa. Satisfies the university general education requirement in the arts knowledge exploration area.

#### **AH 2000 - Critical Thinking and Writing in Art History I (4)**

Introduction to research in art and art history, practice in writing about art from various points of view, and analytical reading of critical texts. Written and oral presentation of major research papers. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 1001, AH 1002 or AH 1003 and written permission of the instructor.

#### **AH 2100 - Concepts of Modern and Postmodern Art (4)**

An overview of major movements, artists and critical themes of twentieth century art and an introduction to the themes of contemporary critical discourse. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 1002

#### **AH 2200 - Introduction to the History of Western Architecture (4)**

History and analysis of the architecture of Western Europe and North America from the period of ancient Greece to the present. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications: completion of the general education requirement in the arts knowledge exploration area.

#### **AH 3000 - Critical Thinking and Writing in Art History II (4)**

Introduction to critical theory and the application of its methodologies to the study of art. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications integration: completion of the general education requirement in the arts

knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 2000 or permission of instructor.

#### AH 3010 - Japanese Art (4)

The development of architecture, sculpture, painting, and other art forms (bronze, ceramic, lacquer ware, armor) in Japan from prehistory to modern times.

Prerequisite(s): AH 1003 or IS 2200

#### AH 3020 - Chinese Art (4)

The development of architecture, sculpture, painting, and other art forms (bronze, ceramic, lacquer ware, jade) in China from prehistory to modern times.

Prerequisite(s): AH 1003 or IS 2100

#### AH 3030 - Chinese Architecture (4)

The development of the built environment in China from prehistory to modern times with emphasis on structural and stylistic evolution, cultural exchange, and ideological engagement.

Prerequisite(s): AH 1003 or IS 2100

#### AH 3040 - Buddhist Art (4)

The development of architecture sculpture, painting, and other decorative arts as created by and for the practices of Buddhism from 3rd century B.C.E. to present.

Prerequisite(s): AH 1003

#### AH 3050 - African Art (4)

The arts of the indigenous peoples of West, Central and East Africa.

Prerequisite(s): 4 credits in art history or IS 2300

#### AH 3070 - Native American Art (4)

Native American art of the United States and Canada.

Prerequisite(s): 4 credits in art history.

#### AH 3080 - Latin American Art (4)

History and analysis of the visual arts of Latin America from contact to present. Satisfies the university general education requirement in the global perspective knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 1001, AH 1002 or AH 1003

#### AH 3110 - Art of the Ancient Near East (4)

The architecture, sculpture and painting of Egypt, Mesopotamia, Iran, Asia Minor and Syria from the Neolithic to the Roman period. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications integration: completion of the general education requirement in the arts knowledge exploration area.

Prerequisite(s): AH 1001

#### AH 3120 - Greek Art (4)

Development of architecture, sculpture and painting in ancient Greece from ca. 2000 B.C.E. until the period of Roman domination in the Mediterranean area, ca. 100 B.C.E. Satisfies the university general education requirement in the knowledge application integration area. Prerequisite for knowledge application integration: completion of the general education requirement in the arts knowledge integration area. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 1001

#### AH 3130 - Roman Art (4)

The development of architecture, sculpture and painting in Etruria and in the Roman Republic and Empire from ca. 600 B.C.E. until the relocation of the capital at Constantinople in C.E. 330. Satisfies the university general education requirement in the knowledge application integration area. Prerequisite for knowledge application integration: completion of the general education requirement in the arts knowledge exploration area.

Prerequisite(s): AH 1001

#### AH 3220 - Early Medieval, Byzantine, and Romanesque Art (4)

The development of architecture, sculpture and painting in Christian Europe from C.E. 330 through the apex of monasticism, ca. C.E. 1150.

Prerequisite(s): AH 1001

#### AH 3230 - Gothic Art (4)

The development of architecture, sculpture and painting in western Europe from ca. 1150 through the period of the Crusades and medieval urbanism, ca. 1400.

Prerequisite(s): AH 1001

#### AH 3240 - Islamic Art (4)

The development of art and architecture in Islam from the seventh to the nineteenth century in the Middle East, Near East, North Africa, West and Central Asia, Arab and Moorish Spain, and the Muslim Indian subcontinent.

#### AH 3310 - Renaissance Art in Italy (4)

The development of architecture, sculpture and painting in Italy during the Renaissance from 1300 to 1600.

Prerequisite(s): AH 1002

AH 3320 - Renaissance Art in Northern Europe (4)

The development of architecture, sculpture and painting in northern Europe from 1400 to 1600.

Prerequisite(s): AH 1002

AH 3350 - Baroque Art (4)

The development of architecture, sculpture and painting in western Europe from 1600 to 1700.

Prerequisite(s): AH 1002

AH 3410 - Nineteenth-Century Art (4)

The development of sculpture, painting and related media in the western world from the French Revolution to 1900.

Prerequisite(s): AH 1002

AH 3420 - Modern Art 1900-1960 (4)

The development of sculpture, painting and related media in the western world from 1900 to 1960.

Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 1002

AH 3430 - Art Since 1960 (4)

The development of sculpture, painting and related media in the Western world from 1960 to the present. Satisfies the university general education requirements in U.S. Diversity. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 1002

AH 3440 - Modern Architecture and Urban Design (4)

The development of architecture and urban design in Europe and the United States from the Industrial Revolution to the present.

Prerequisite(s): AH 1002

AH 3510 - History of Prints and Printmaking (4)

The graphic arts in Europe and America from 1450 to the present, including printmaking techniques, collecting and conservation. Students will study original prints.

Prerequisite(s): AH 1002

AH 3520 - History of the Decorative Arts (4)

The decorative arts in Europe and America from 1450 to the present.

Prerequisite(s): AH 1002

AH 3530 - History and Theory of Graphic Design (4)

History and theory of design, including major movements, designers and critical issues in design discourse. Satisfies university general education requirement for writing intensive course in the major.

Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 1002; graphic design major or minor or instructor permission.

AH 3540 - History of Photography I, 1825 to 1914 (4)

Development of still photography as a mode of visual art and communication from its invention to the first world war.

Prerequisite(s): AH 1002

AH 3550 - History of Photography II, 1914 to Present (4)

The growth of still photography as a form of visual art and communication from the first world war to the present.

Prerequisite(s): AH 1002

AH 3560 - Film and the Visual Arts (4)

The study of film as a visual art and the relationship between film and twentieth-century artistic movements.

Prerequisite(s): AH 1002 or CIN 1150

AH 3610 - Russian Art (4)

The development of architecture, sculpture and painting in Russia from the tenth century to the present.

Prerequisite(s): AH 1002 or IS 2600

AH 3620 - English Art (4)

The development of architecture, sculpture and painting in Britain from the Renaissance through the eighteenth century.

Prerequisite(s): AH 1002

AH 3630 - German Art (4)

Development of architecture, sculpture and painting in Germany from prehistory to 1871.

Prerequisite(s): AH 1001 or AH 1002

AH 3650 - American Art (4)

The development of architecture, sculpture and painting in the United States from the early colonial period to World War I.

Prerequisite(s): AH 1002

AH 3651 - African-American Art (4)

The arts of African-Americans from the colonial period to the present.

Prerequisite(s): AH 1002

AH 3652 - Michigan Architecture (4)

The development of the commercial, domestic, industrial, public and religious architecture of Michigan from the period of early settlement to the present.

AH 3710 - Visual Representations and the Nuclear Experience (4)

History and analysis of the nuclear era from a global visual perspective.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

AH 3720 - Women in Art (4)

The traditional image of woman in art and the contribution of women artists in Europe and the United States from the Middle Ages until the present. Identical with WGS 3818.

Prerequisite(s): AH 1002 or WGS 1000

AH 3800 - Museum Studies in Art History (4)

The study of the art museum, including an overview of the museum profession, management and care of collections, and the registration, conservation, exhibition and interpretation of art objects in a museum setting. The course format will include lectures and field trips.

Prerequisite(s): 16 credits in art history, of which at least 8 must be at the 3000-4000 level.

AH 3890 - Seminar in Art History (4)

Seminar in a specific area of art history. May be repeated in a subsequent semester on a different topic for credit, but may only be used once to satisfy a field category in the art history major. The subject area will determine the category.

Prerequisite(s): AH 1001, AH 1002 or AH 1003 as appropriate for the seminar; AH 2000 and permission of instructor.

AH 3900 - Special Topics in Art History (1 TO 4)

Specific topics in art history for which no regular course offerings exist. Topic will be announced before each offering. May be repeated for up to 8 credits.

Prerequisite(s): permission of instructor.

AH 3910 - Study Abroad in Art History (1 TO 4)

Specific topics and directed individual research in art history offered through International Education. Specific international program will be announced in the schedule of classes.

Prerequisite(s): permission of director of International Education.

AH 3915 - Directed Study Abroad in Art History (1 TO 4)

Directed individual research for art history majors who travel abroad to study art monuments. Topics must be approved by instructor before departure. May be repeated in a subsequent semester on a different topic for a total of up to 8 credits.

Prerequisite(s): permission of instructor.

#### AH 3920 - Readings in Art History (2)

Specific readings in art history, art criticism, connoisseurship and conservation. May be repeated in a subsequent semester on a different topic for a total of 4 credits.

Prerequisite(s): 16 credits in art history of which at least 8 must be at the 3000-4000 level and permission of instructor.

#### AH 3930 - Field Experience in Art History (4)

Field experience for art history majors under faculty supervision. An academic project that incorporates student performance in an occupational setting. May not be repeated for credit or taken by students who have received credit for ART 4930.

Prerequisite(s): permission of instructor.

#### AH 3996 - Independent Research in Art History (4)

Independent research for art history majors.

Prerequisite(s): permission of instructor.

#### AH 4997 - College Teaching Apprenticeship (2 OR 4)

Supervised participation in teaching an undergraduate course in art history. Discussion of teaching objectives and methods.

Prerequisite(s): Permission of instructor.

#### AH 4998 - Senior Thesis in Art History I (4)

Part one of a two-semester sequence in methodology and directed individual research for art history majors, culminating in a capstone research and writing project and an oral presentation. Offered in sequential fall and winter semesters. AH 4998 must be taken first. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): Senior standing, AH 2000, and 28 credits of art history of which at least 12 must be at the 3000 level, and permission of instructor.

#### AH 4999 - Senior Thesis in Art History II (4)

Part two of a two-semester sequence in methodology and directed individual research for art history majors, culminating in a capstone research and writing project, and an oral presentation. Offered in sequential fall and winter semesters. AH 4998 must be taken first. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for

writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 4998

#### ART 1000 - Foundations of Visual Literacy (4)

In this analytical overview of the forms and uses of visual imagery, students will learn to think critically about the formal methods and cultural impact of contemporary art media. Satisfies the university general education requirement in the arts knowledge exploration area.

#### ART 1002 - Foundations of Studio Art: 2D (4)

Hands-on course exploring the visual, physical, and social aspects of two-dimensional art forms with emphasis on the principles and application of design elements such as line, shape, texture, value, and color.

#### ART 1003 - Foundations of Studio Art: 3D (4)

Hands-on course exploring the visual, physical and social aspects of three-dimensional art forms with emphasis on the principle and application of design elements such as line, shape, plane, texture, mass, volume, light, space, and time.

#### ART 1004 - Foundations of Media Art (4)

Students explore the aesthetic, conceptual and technological transformations of media passing into, through and out of the digital domain.

#### ART 1130 - Graphic Design for Non-Majors (4)

Through observation and the building of graphic design skills, students with little or no experience explore the elements and fundamentals of the field. Cannot be used to fulfill any studio art or graphic design requirements for the major or minor.

#### ART 1150 - Drawing for Non-Majors (4)

Through observation and the building of basic drawing skills, students with little or no art experience explore the fundamentals of traditional drawing. Cannot be used to fulfill any studio art requirement for the studio art major or minor. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications integration: completion of the general education requirement in the arts knowledge exploration area.

#### ART 1160 - Photography for Non-Majors (4)

Introduction to the technical, intellectual, inventive, and expressive possibilities of a broad range of traditional and non-traditional photographic processes. Cannot be used to fulfill any studio art requirements for the major or minor, but does fulfill a core requirement for majors in the studio art education K-12 degree program. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications integration: completion of the general education requirement in the arts knowledge exploration area.



**ART 1170 - Painting for Non-Majors (4)**

Focus on technique and building of basic painting skills. Students with little or no art experience explore the fundamentals of painting. Cannot be used to fulfill any studio art requirements for the major or minor. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications: completion of the general education requirement in the arts knowledge exploration area.

**ART 2000 - Critical Theory and Practice in Art (4)**

Analytical reading in critical art and cultural theory, combined with the practice of art, critical analysis, writing and lecturing about art. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): AH 1002. May not be taken concurrent with ART 4999

**ART 2100 - Introduction to Drawing (4)**

The fundamentals of drawing, through accurate observation of the physical world, are explored: tools, techniques, rendering linear perspective and chiaroscuro. Satisfies the university general education requirement in the arts knowledge exploration area.

**ART 2200 - Introduction to Interactive Art and Technology (4)**

Investigates a broad range of art practices in video and interactive art including historical and contemporary practices in lens-arts, coding arts, fabrication and animation. Satisfies the university general education requirement in the arts knowledge exploration area.

**ART 2300 - Introduction to Painting (4)**

Introduction to the technical, intellectual, inventive and expressing possibilities of oil painting on canvas.

**ART 2400 - Introduction to Photography (4)**

Introduction to the technical, conceptual, and expressive possibilities of photographic art forms and practice.

**ART 2500 - Introduction to Sculpture (4)**

Introduction to the technical, conceptual, and expressive possibilities of sculptural art forms and practice. Satisfies the university general education requirement in the arts knowledge exploration area.

**ART 3000 - Professional Practices and Portfolio Design (2)**

Professional preparation in studio art, through portfolio design, writing for the visual arts, studio safety/environmental issues and the financial, legal and ethical aspects of careers in art.

Prerequisite(s): One 3000-level studio art course and declared studio art major.

**ART 3120 - Life Drawing I (4)**

Drawing from the life model, course focuses on the traditional practices of anatomical rendering.

Prerequisite(s): ART 2100

#### ART 3150 - Process Drawing (4)

The practice of drawing is explored through traditional and nontraditional materials and methodologies.

Prerequisite(s): ART 1002, ART 1003, ART 1004 and ART 2100

#### ART 3240 - Interactive Art (4)

Explores open source electronics and coding and how critical understanding of theories of human interactivity complement artistic production. Students will create responsive artworks including sculpture, wearables and machines.

Prerequisite(s): ART 1002, ART 1003, ART 1004, and ART 2200

#### ART 3260 - Fabrication and Coding Practices (4)

Investigates current practices in coding and fabrication used by artists to create interactive systems. Skill building and concept generation are emphasized.

Prerequisite(s): ART 1002, ART 1003, ART 1004, and ART 2200

#### ART 3280 - Video, Performance, and Installation (4)

Exploration of interdisciplinary practices - in particular, the possibilities surrounding the intersection of video, performance and installation. Screenings and readings will be discussed to complement artistic production.

Prerequisite(s): ART 1002, ART 1003, ART 1004 and ART 2200

#### ART 3320 - Life Painting I (4)

Focuses on objective study and formal construction of the figure using oil paint. Emphasis is placed upon accuracy and chiaroscuro.

Prerequisite(s): ART 3120

#### ART 3330 - Historic Painting Techniques I (4)

Study of the techniques of the Old Masters, focusing on the tools and methods of five hundred years of western painting, particularly oil glazes on panel, egg tempera on panel, fresco and oil on canvas.

Prerequisite(s): AH 1002 or ART 1002

#### ART 3340 - Painting Practices (4)

The practice of contemporary painting is explored through the mediation of content.

Prerequisite(s): ART 1002, ART 1003, ART 1004 and ART 2300

#### ART 3350 - Historic Painting Techniques II (4)

Building on ART 3330, class focuses on a particular epoch or artist for a more refined directed individual course of study.

Prerequisite(s): ART 3330

**ART 3360 - Drawing/Painting Studio (4)**

The practice of contemporary drawing and painting is explored through the mediation of specific student-driven aesthetic and/or conceptual agendas.

Prerequisite(s): ART 1002, ART 1003, ART 1004 and (ART 2100 or ART 2300).

**ART 3380 - Drawing/Painting Contexts (4)**

The practice of contemporary drawing and painting is explored through the mediation of context and influence.

Prerequisite(s): ART 1002, ART 1003, ART 1004, and (ART 2100 or ART 2300)

**ART 3430 - Digital Photography (4)**

Explores the digital photographic process (cameras, scanners and digital manipulation) as tools to create conceptually relevant art.

Prerequisite(s): ART 1002, ART 1003, ART 1004, and ART 2400

**ART 3450 - Analogue Photography (4)**

Focus on the development of traditional photographic technique and the conceptual practice of photography as a fine art medium.

Prerequisite(s): ART 1002, ART 1003, ART 1004, and ART 2400

**ART 3480 - Alternative Photography (4)**

The practice of contemporary photography is explored through the mediation of specific student-driven aesthetic and/or conceptual agendas.

Prerequisite(s): ART 1002, ART 1003, ART 1004, and ART 2400

**ART 3500 - Sculpture (4)**

Immersion into the technical, conceptual and expressive possibilities of sculptural art forms and practice.

Prerequisite(s): ART 1003

**ART 3750 - Conceptual and Postmodern Art (4)**

Advanced course explores the intellectual and expressive possibilities of conceptual and postmodern art through the creation of art that questions traditional modes of representation.

**ART 3900 - Topics in Studio Art (4)**

Specific topics in studio art for which no regular course offerings exist. Topic, instructor and prerequisite will be announced before each offering. May be repeated for 4 additional credits.

Prerequisite(s): permission of instructor

**ART 3910 - Directed Study Abroad in Studio Art (1 TO 4)**

Directed individual research for studio art majors who travel abroad to study art monuments.

Topic/creative activity must be approved by instructor before departure. May be repeated in a

subsequent semester on a different topic for a total of up to 8 credits.

Prerequisite(s): permission of instructor.

#### ART 3911 - Study Abroad in Studio Art (4)

Specific topics and directed individual creative activity in studio art offered through the Center for International Programs. Specific international program will be announced in the schedule of classes.

Prerequisite(s): permission of Director of International Education.

#### ART 3950 - Projects in Studio Art (2)

Specific projects in studio art for which no regular offerings exist. May be repeated in a subsequent semester under a different instructor for a total of 4 credits.

Prerequisite(s): permission of instructor

#### ART 4930 - Field Experience in Studio Art (4)

Field experience for studio art majors under faculty supervision. An academic project that incorporates student performance in an occupational setting. May not be repeated for credit or taken by students who have received credit for AH 3930.

Prerequisite(s): permission of instructor.

#### ART 4988 - Seminar in Studio Art (4)

In-depth individual study and group critique as students begin work on self-assigned projects as precursors to their thesis work. Emphasis is placed on the discussion, written support, and production of a substantial seminar project. Cannot be taken concurrently with ART 4999.

Prerequisite(s): Completion of two 3000-level studio art courses and declared studio art major.

#### ART 4996 - Independent Study in Studio Art (4)

Directed individual investigation of specific problems in the visual arts. May be repeated in a subsequent semester on a different topic for a total of 8 credits.

Prerequisite(s): permission of instructor

#### ART 4997 - College Teaching Apprenticeship (2 OR 4)

Supervised participation in teaching an undergraduate course in studio art. Discussion of teaching objectives and methods.

Prerequisite(s): permission of instructor

#### ART 4999 - Senior Thesis in Studio Art (4)

Focusing on directed individual study, the student completes a coherent body of advanced art work, culminating in a thesis exhibition and thesis paper. Cannot be taken concurrently with ART 4988.

Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): Senior standing, all required art courses (core and specialization), and permission of faculty adviser.

**DES 1130 - Foundations of Graphic Design (4)**

Exploration of the professional practice of graphic design as an applied art form. Emphasis will be placed on image, text, and grid system structures. Students will be introduced to graphic design history and theory.

Prerequisite(s): ART 1002 and ART 1004

**DES 2230 - Graphic Design I (4)**

Conceptual and technical approaches to graphic design. Print-specific assignments will address concept through basic applied practices of print/digital production.

Prerequisite(s): DES 1130 with a grade of (B-) or higher.

**DES 3330 - Graphic Design II (4)**

Branding and identity class. Through independent and group case studies and design projects, students will explore solutions for developing effective and meaningful identity systems.

Prerequisite(s): DES 2230 with a grade of (B-) or higher.

**DES 3340 - Web Design I (4)**

Aesthetics, methodologies, and tools of web design. Students will learn to balance technical skills with artistic skills to create web pages that are conceptually interesting, easily navigable, visually pleasing, and functional.

Prerequisite(s): DES 1130 with a grade of (B-) or higher.

**DES 3345 - Web Design II (4)**

Advanced web page design techniques including scripting and site design issues such as scalability, maintenance, and integration of web technologies into business and organizational context.

Prerequisite(s): DES 3340 with a grade of (B-) or higher.

**DES 3350 - Typography (4)**

Exploration of typography as used in applied and fine art forms through traditional hands-on and digital design assignments. Emphasis placed on type as form.

Prerequisite(s): DES 1130 with a grade of (B-) or higher.

**DES 3360 - Motion Graphics (4)**

Exploration of conceptual and technical approaches to motion graphics. Emphasis will be placed on text, object, and the interaction between the two over time.

Prerequisite(s): DES 3350 with a grade of (B-) or higher.

**DES 3370 - Digital Illustration in Graphic Design (4)**

Study of illustration concepts and techniques through lectures and studio assignments. May include both traditional mediums and digital illustration assignments.

Prerequisite(s): DES 2230 with a grade of (B-) or higher.

**DES 3375 - Investigating Printmaking (4)**

Introduction to printmaking techniques, terminology and medias. The students will be introduced to woodcuts, screen-printing, etching and lithography as an art form. Students will also learn to create designs suited for each printing method.

Prerequisite(s): ART 1002 and ART 1004

**DES 3380 - Community Design (4)**

Creation of quality design concepts for non-profit organizations. Students will work in teams to pitch ideas, develop designs and follow design concepts through to production as if part of an operational graphic design studio.

Prerequisite(s): DES 2230 and DES 3350, each with a grade of (B-) or higher.

**DES 3390 - Package Design (4)**

In-depth look at the design, production, evaluation, and analysis of various types of packaging. Creative solutions for package design, three-dimensional mock-ups and models, material restrictions and limitations.

Prerequisite(s): DES 3330 with a grade of (B-) or higher.

**DES 3900 - Special Topics in Graphic Design (4)**

Current issues and contemporary approaches in the areas of graphic design for which no regular course offerings exist. Topic, Instructor and prerequisite will be announced before each offering. May be repeated for 4 additional credits under different subtitle.

**DES 3910 - Study Abroad in DES (1 TO 4)**

Specific topics and directed individual research in graphic design offered through International Education. Specific international program will be announced in the schedule of classes.

Prerequisite(s): permission of director of International Education.

**DES 3950 - Internship in Design (4)**

Field experience for design majors under faculty supervision. An academic project that incorporates student performance in an occupational setting.

Prerequisite(s): junior/senior standing; 16 credits in graphic design, of which at least 8 must be at the 3000-4000 level; permission of instructor.

**DES 4430 - Graphic Design III (4)**

Process of creating professional-level design work, from written concept brief through finished design package.

Prerequisite(s): DES 3340 and DES 3330

**DES 4997 - College Teaching Apprentice DES (2 OR 4)**

Supervised participation in teaching an undergraduate course in graphic design. Discussion of teaching objectives and methods.

Prerequisite(s): Permission of instructor

DES 4999 - Senior Thesis in Graphic Design (4)

Directed individual study requiring development of a coherent package of advanced graphic design work, culminating in a thesis exhibition and thesis paper. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): DES 3360 and DES 4430 and permission of instructor.

## Biochemistry Program

Coordinator: Colin Wu (Chemistry)

Biochemistry Committee: Sitaramayya Ari (Chemistry), Adam Avery (Chemistry), Chabi Govind (Biological Sciences), Anne Hitt (Biological Sciences), Adam Avery (Chemistry), Mi Hye Song (Biological Sciences), Colin Wu (Chemistry)

This interdepartmental program offers a Bachelor of Science degree with a major in biochemistry. The biochemistry program is based on faculty resources and research facilities in the departments of Biological Sciences and Chemistry. The curriculum is designed to prepare students for a career in biochemical research, graduate study in biochemistry or molecular biology, or professional education in medicine, dentistry or other health sciences.

Undergraduate students in the biochemistry program have access to faculty research laboratories and are encouraged to participate in various ongoing research programs such as studies in metabolism, gene expression, neurodegeneration, cancer research, hormone action, immunochemistry, molecular biology, molecular genetics and macromolecular structure.

The minimum requirement for a B.S. in biochemistry is 124 credits, including coursework in biological sciences (16 credits), chemistry (32 credits) and biochemistry (12 credits). No more than 8 credits of coursework used to fulfill the requirements of a major or minor in biology may be used to fulfill the requirements of a major in biochemistry. Courses used to fulfill the requirements for a major in biochemistry may not be used simultaneously to fulfill the requirements for a major or minor in chemistry.

### **Admission to major standing**

Students may apply for major standing after completion of 18 credits of chemistry and at least 8 credits of biology from the requirements listed below, with a grade point average (GPA) of at least 2.50 in those courses. The biochemistry committee must approve major standing and a detailed plan of study at least three semesters prior to graduation.

## **Program honors**

Program honors may be granted to graduating seniors in biochemistry on the basis of high academic achievement (minimum 3.60 overall grade point average) and excellence in biochemical research at Oakland University.

## **Pre-medical studies concentration: medicine, dentistry, optometry and veterinary medicine**

The Bachelor of Science degree with a major in biochemistry provides students with all the requirements for a pre-medical studies concentration. The Bachelor of Science degree and the Bachelor of Arts degree with a major in chemistry provide students with all the requirements for a pre-medical studies concentration with the exception of five courses in biology/biochemistry that must be completed. Students interested in a medical career should refer to the pre-medical studies concentration in medicine, dentistry, optometry and veterinary medicine (Other Academic Options) and consult with the biology or biochemistry adviser.

## **Program**

### **Biochemistry, B.S.**

Coordinator: Colin Wu (Chemistry)

Biochemistry Committee: Sitaramayya Ari (Chemistry), Chabi Govind (Biological Sciences), Zijuan Liu (Biological Sciences), Adam Avery (Chemistry)

This interdepartmental program offers a Bachelor of Science degree with a major in biochemistry. The biochemistry program is based on faculty resources and research facilities in the departments of Biological Sciences and Chemistry. The curriculum is designed to prepare students for a career in biochemical research, graduate study in biochemistry or molecular biology, or professional education in medicine, dentistry or other health sciences.

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Admission to Major Standing



Students may apply for major standing after completion of 18 credits of chemistry and at least eight credits of biology from the requirements listed below, with a grade-point average (GPA) of at least 2.50 in those courses. The biochemistry committee must approve major standing and a detailed plan of study at least three semesters prior to graduation.

Requirements for biochemistry, B.S.

Students wishing to select the biochemistry major should prepare a detailed plan of study in consultation with a Biochemistry Coordinator. To earn the Bachelor of Science degree with a major in biochemistry, students must complete:

1. Required biology courses

BIO 1200 - Biology I (4)

BIO 1300 - Biology II (4)

2. Eight or more credits of biology chosen in consultation with the biochemistry program coordinator from the following courses

BIO 3210 - Biology of the Cell (4)

BIO 3211 - Biology of the Cell Laboratory (1)

BIO 3500 - General Microbiology (4)

BIO 3501 - General Microbiology Laboratory (1)

BIO 3620 - Medical Physiology (4)

BIO 3621 - Physiology Laboratory (1)

BIO 3130 - Developmental Biology (4)

BIO 3400 - Genetics (4)

Other appropriate courses may be approved on an individual basis.

3. Required chemistry courses

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)

CHM 2340 - Organic Chemistry I (4)

CHM 2350 - Organic Chemistry II (4)

CHM 2370 - Organic Chemistry Laboratory (2)

CHM 3250 - Analytical Chemistry (4)

CHM 3420 - Physical Chemistry I (4)

CHM 3430 - Physical Chemistry II (4)

4. Required biochemistry courses

BCM 4254 - Biochemistry I (3)

BCM 4256 - Biochemistry II (3)

BCM 4257 - Biochemistry Laboratory (3)

And additional credits selected from the following courses

CHM 3620 - Descriptive Inorganic Chemistry (3)  
 BIO 4230 - Cellular Biochemistry (4)  
 BIO 4210 - Molecular Biology (4)  
 BIO 4400 - Advanced Genetics (4)  
 BIO 4530 - Medical Microbiology (4)  
 BIO 4226 - Immunology (4)  
 BIO 4412 - Functional Genomics and Bioinformatics (4)  
 BIO 4340 - Principles of Evolutionary Medicine (4)  
 BIO 4402 - Human Genetics (4)  
 CHM 4120 - Atmospheric Chemistry (3)  
 CHM 4130 - Environmental Aquatic Chemistry (3)  
 CHM 4580 - Biochemistry Projects (2)  
 CHM 5530 - Advanced Biochemistry (3)  
 CHM 5902 - Topics in Biochemistry (3)  
 CHM 5810 - Biochemical Toxicology (3)  
 BCM 4995 - Biochemistry Research (1 TO 4)  
 Other appropriate courses may be approved on an individual basis.

#### 5. Corequisites

MTH 1554 - Calculus I (4)  
 MTH 1555 - Calculus II (4)  
 PHY 1510 - Introductory Physics I (4) and PHY 1100 - General Physics Lab I (1)  
 PHY 1520 - Introductory Physics II (4) and PHY 1110 - General Physics Lab II (1)

#### 6. Admission to major standing at least three semesters prior to graduation

Students may apply for major standing after completion of 18 credits of chemistry and at least eight credits of biology, with a grade-point average (GPA) of 2.50 in those courses. The biochemistry committee must approve major standing and a detailed plan of study at least three semesters prior to graduation.

Recommended electives

STA 2226 - Applied Probability and Statistics (4)  
 CHM 2200 - Introduction to Computational Chemistry (2)  
 CHM 3620 - Descriptive Inorganic Chemistry (3)

Pre-medical studies concentration: medicine, dentistry, optometry and veterinary medicine

The Bachelor of Science degree with a major in biochemistry provides students with all the requirements for a pre-medical studies concentration. The Bachelor of Science degree and the Bachelor of Arts degree with a major in chemistry provide students with all the requirements for a pre-medical studies concentration with the exception of

five courses in biology/biochemistry that must be completed. Students interested in a medical career may also refer to the pre-medical studies concentration in medicine, dentistry, optometry and veterinary medicine (see Other Academic Options of catalog) and consult with the biology or biochemistry adviser and with the College of Arts and Science Advising Office or a Department of Biological Sciences Adviser.

The department offers selected courses from this catalog as warranted by student needs and faculty availability.

## Courses

### BCM 4254 - Biochemistry I (3)

First course in a comprehensive biochemistry sequence. Structure and function of proteins, carbohydrates and lipids. Enzyme mechanisms, kinetics and regulation. Bioenergetics and catabolism. Identical with CHM 4254.

Prerequisite(s): CHM 2350

### BCM 4256 - Biochemistry II (3)

Metabolic pathways and control. Nucleic acid structure, function and processing, including regulation of gene expression. Selected topics in molecular physiology. Identical with CHM 4256.

Prerequisite(s): BCM 4254 or CHM 4254

### BCM 4257 - Biochemistry Laboratory (3)

Techniques of extraction, separation, identification and quantification of proteins and DNA including electrophoresis and various forms of chromatography; study of enzyme kinetics and regulation of catalytic activity; molecular biology methods including cloning, polymerase chain reaction, site-directed mutagenesis and expression and analysis of mutated proteins. Emphasis placed on mathematical treatment of experimental data. Identical with CHM 4257. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive; completion of the university writing foundation requirement.

Prerequisite(s): BCM 4254 or CHM 4254, which may be taken concurrently.

### BCM 4950 - Biotechnology Internship (2 TO 4)

The application of biochemical principles and methods in an off-campus technical setting that has been pre-approved by program committee. Does not count toward major credit. Graded S/U. May be repeated for a maximum of 6 credits.

Prerequisite(s): BCM 4254, approved major standing and permission of instructor.

### BCM 4995 - Biochemistry Research (1 TO 4)

Laboratory experience in biochemical research requiring at least four hours of work per week per credit. May be repeated for credit. Graded S/U or numerically by written arrangement with faculty research mentor. Graded option requires a written report of research accomplishments and is limited to a total of 4 credits.

Prerequisite(s): permission of instructor.

# Department of Bioengineering

346 DODGE HALL

(248) 370-2875

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Department website

**Chairperson:** *Shailesh Lal*

**Primary Faculty:** *Gerard J. Madlambayan, Jing Tang*

**Affiliated Faculty:**

**Assistant professors:** *Sara Blumer-Schuette, Luis Villa-Diaz*

**Associate professors:** *Fabia Battistuzzi, Brian Dean, Mohammad Siadat, Randy Westrick*

**Professors:** *Darrin Hanna, Shailesh Lal, Jia Li*

**Special lecturers:** *Mary Craig*

Bioengineering an interdisciplinary field, grounded on the interaction between biological sciences (as well as other life sciences) and engineering disciplines. The field of bioengineering is capable of realizing many diverse applications to improve human health and develop new technologies aimed at understanding biological phenomenon. Students will learn how to achieve these goals by applying engineering principles to a detailed understanding of biological processes. The major in Bioengineering, offered jointly by the School of Engineering and Computer Science and the College of Arts and Sciences, leads to the Bachelor of Science degree. Students should consult with advisers for the majors to be certain they are on track for all requirements.

Program

Bioengineering, B.S.

Requirements for bioengineering, B.S.

Course requirements (minimum of 129 total credits)

In order to earn the degree of Bachelor of Science with a major in Bioengineering, students must complete a minimum of 129 credits including satisfying general education requirements. Bioengineering students must also complete Mathematics & Sciences (52 credits), Engineering Core (21 credits), and Bioengineering Required (12 credits) courses. Students will broaden knowledge in a specific area of Bioengineering by electing a sequence of courses in professional option tracks to satisfy the Bioengineering electives requirement (16 credits). Alternatively, students may elect any combination of

courses listed under these professional option tracks to meet this requirement as long as 12 credits are from courses with engineering-based material.

#### General education -- 28 credits

Students are required to take PHL 1310 - Introduction to Ethics in Science and Engineering (4) to satisfy the Western Civilization requirement.

To satisfy the General Education Requirements in Social Science, Bioengineering students are required to take one of the following economics courses: ECN 1500, ECN 2010, ECN 2020, or ECN 2100.

In order to graduate on-schedule without taking additional courses, it is highly recommended that students meet with an SECS Undergraduate Academic Adviser concerning the selection of all of their general education courses.

#### Math and Science - 52 credits

MTH 1554 - Calculus I (4)

MTH 1555 - Calculus II (4)

APM 2555 - Introduction to Differential Equations with Matrix Algebra (4)

MTH 2554 - Multivariable Calculus (4) or APM 2663 - Discrete Mathematics (4)

BIO 1200 - Biology I (4)

BIO 1201 - Biology Laboratory (1)

BIO 2600 - Human Physiology (4)

BIO 3621 - Physiology Laboratory (1)

PHY 1610 - Fundamentals of Physics I (4)

PHY 1620 - Fundamentals of Physics II (4)

PHY 3250 - Biological Physics (4)

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)

CHM 2340 - Organic Chemistry I (4)

#### Engineering Core - 21 credits

EGR 1200 - Engineering Graphics and CAD (1) (1)

EGR 1400 - Computer Problem Solving in Engineering and Computer Science (4)

EGR 2400 - Introduction to Electrical and Computer Engineering (4)

EGR 2500 - Introduction to Thermal Engineering (4)

EGR 2600 - Introduction to Industrial and Systems Engineering (4)

EGR 2800 - Design and Analysis of Electromechanical Systems (4)

Bioengineering Required Courses - 12 credits

BE 3150 - Bioinstrumentation (4)

BE 3899 - Introduction to Engineering Biology (4)

BE 4999 - Research Project/Capstone Design (4)

Professional Option Tracks - 16 credits

Track 1: Biomedical Imaging and Signal Processing

PHY 3260 - Medical Physics (4)

BE 4100 - Biomedical Signal Processing (4)

BE 4110 - Medical Imaging (4)

BE 4120 - Medical Image Analysis (4)

Track 2: Bioinformatics and Genome Engineering

BE 4200 - Genetic and Genomic Engineering (4)

BIO 4412 - Functional Genomics and Bioinformatics (4)

CSI 3450 - Database Design and Implementation (4)

CSI 4780 - Bioinformatics (4)

Track 3: Molecular Engineering

BIO 3500 - General Microbiology (4) \*

BE 4300 - Bioprocess Engineering (4)

BIO 4550 - Microbial Biotechnology (4)

ME 3500 - Introduction to Fluid and Thermal Energy Transport (4)

\* This course does not satisfy the engineering-based material requirement

Track 4: Tissue Engineering

BE 4400 - Tissue Engineering (4)

BIO 3142 - Bioengineering Organs and Tissues (4)

ME 3250 - Mechanics of Materials (4)

ME 4210 - Analysis and Design of Mechanical Structures (4)

BE 4900, BE 4996 and BE 4998 may also be selected to meet curriculum requirements. Prior approval is required to take these courses.

#### Major Standing

To enroll in 3000 or higher-level courses and to become candidates for the B.S. in Bioengineering, students must gain major standing. An application for major standing should be submitted prior to intended enrollment in 3000 or higher-level courses. Forms may be obtained from the SECS Undergraduate advising office or from the SECS website.

To gain major standing and be considered for a degree in Bioengineering, students must:

A) have an average of at least C in the following mathematics and sciences courses: BIO 1200, BIO 1201, MTH 1554, MTH 1555, APM 2555, CHM 1440, and PHY 1610

B) have an average of at least C in the following engineering core courses: EGR 1200, EGR 1400, EGR 2400, EGR 2500, EGR 2600, and EGR 2800.

C) have no more than two grades below C in the required courses in A and B above;

D) have not attempted any course listed in A and B above more than three times. Students may petition to repeat a course a fourth time; and

E) have not repeated more than three different courses listed in A and B. Courses in which a W (withdrawal) grade is recorded will not be counted.

Conditional major standing may be granted in the semester in which the student will complete the courses listed in A and B above.

#### Performance requirements

In addition to the previously stated requirements, satisfactory completion of the program requires an average grade of at least C within each group: mathematics and sciences, engineering core, Bioengineering required, and professional tracks. For Bioengineering required and professional track

courses, at most two grades below C are permitted, at most two different courses may be repeated, and a total of three attempts are permitted.

Students in this program are not required to complete the College of Arts and Sciences exploratory requirements but must complete the General Education Requirements including capstone and writing intensive courses.

#### Sample Bioengineering schedule

Students may follow a schedule such as the one indicated below

##### Freshman year

Fall semester - 17 credits

MTH 1554 - Calculus I (4)

EGR 1400 - Computer Problem Solving in Engineering and Computer Science (4)

BIO 1200 - Biology I (4)

BIO 1201 - Biology Laboratory (1)

General Education (4)

Winter semester - 17 credits

MTH 1555 - Calculus II (4)

EGR 2400 - Introduction to Electrical and Computer Engineering (4)

PHY 1610 - Fundamentals of Physics I (4)

EGR 1200 - Engineering Graphics and CAD (1) (1)

General Education (4)

##### Sophomore year

Fall semester - 17 credits

APM 2555 - Introduction to Differential Equations with Matrix Algebra (4)

EGR 2600 - Introduction to Industrial and Systems Engineering (4)

CHM 1440 - General Chemistry I (4)

CHM 1470 - General Chemistry Laboratory I (1)

General Education (4)



Winter semester - 16 credits

MTH 2554 - Multivariable Calculus (4)

EGR 2500 - Introduction to Thermal Engineering (4)

EGR 2800 - Design and Analysis of Electromechanical Systems (4)

General Education (4)

Junior year

Fall semester - 17 credits

CHM 1450 - General Chemistry II (4)

CHM 1480 - General Chemistry Laboratory II (1)

BE 3150 - Bioinstrumentation (4)

BIO 2600 - Human Physiology (4)

General Education (4)

Winter semester - 17 credits

PHY 1620 - Fundamentals of Physics II (4)

CHM 2340 - Organic Chemistry I (4)

BE 3899 - Introduction to Engineering Biology (4)

BIO 3621 - Physiology Laboratory (1)

General Education (4)

Senior year

Fall semester -16 credits

Professional track (4)

Professional track (4)

Professional track (4)

General Education (4)

Winter semester - 12 credits

PHY 3250 - Biological Physics (4)

BE 4999 - Research Project/Capstone Design (4)

Professional track (4)

Courses

**BE 3150 - Bioinstrumentation (4)**

An introduction to the fundamental aspects of instrumentation for biomedical signals, using specific applications to demonstrate these principles. Proper instrumentation designs and patient safety are emphasized. Offered winter.

Prerequisite(s): EGR 2400

**BE 3899 - Introduction to Engineering Biology (4)**

This course is a survey of topics and careers in engineering biology. It aims to help students choose their track for the remainder of the program and gain a general view of the field. Topics include bioinformatics, computational biology, electronic devices, biosensors, biomedical and biophysical engineering, and quantitative biology.

Prerequisite(s): Major standing

**BE 4100 - Biomedical Signal Processing (4)**

This course introduces fundamental aspects of practical signal processing, modeling, and analysis techniques for biomedical signals, using specific application to demonstrate these principles.

Prerequisite(s): BE 3899

**BE 4110 - Medical Imaging (4)**

Physics and engineering principles associated with x-ray, computer tomography, nuclear, ultrasound, and magnetic resonance, including human visualization and perception of image data.

Prerequisite(s): BE 3150, BE 4100

**BE 4120 - Medical Image Analysis (4)**

This course introduces how to extract, model, and analyze information from medical imaging data and utilize applications to help diagnosis, treatment planning and prognosis. Medical Image Analysis includes topics in medical image segmentation, registration and multimodality fusion, feature extraction, statistical modeling and anomaly detection through shape and texture analysis with applications in MRI, CT, DTI, PET, SPECT, fMRI, etc. This course will provide students with a multidisciplinary background in current state-of-the-art in medical image analysis.

Prerequisite(s): BE 4100

**BE 4200 - Genetic and Genomic Engineering (4)**

This course will cover the latest advances in genomic and genetic research tools for the manipulation of genes and genomes. Students will review the principles of genetics, genomic and molecular biology as they pertain to genomic and genetic engineering. Students will use this introductory knowledge as the basis for learning to navigate genomic databases and manipulate Next Generation Sequencing (NGS) whole genome sequencing data. They will also learn the latest genome editing techniques for introduction of unique mutations/variants. The engineering of therapeutic molecules such as proteins and aptamers will also be covered. The ethical implications of genomic and genetic engineering will be discussed.

Prerequisite(s): BIO 1200

**BE 4300 - Bioprocess Engineering (4)**

This course will cover material related to the application of biological, biochemical, and engineering fundamentals in the area of bioprocess engineering. Students will review aspects related to molecular biology, cell biology, genetic engineering, biochemistry and microbiology as they pertain to bioprocess engineering concepts. Advanced topics will include bioprocessing kinetics (enzymes, cell growth, substrate utilization, and product formation); bioenergetics; quantification of metabolism; bioreactor design and selection; bioprocess scale-up; product recovery, biosafety and good manufacturing practices; and the role of bioprocess engineering in medicine.

Prerequisite(s): (BIO 1200 and BIO 3210) or BIO 3500. Student may also receive instructor permission to take the course.

**BE 4400 - Tissue Engineering (4)**

In this class, students will learn physical laws governing cellular homeostasis including the role of microenvironment on cell life, death, and differentiation and how to control cellular function and genetic programs by adhesion to substrates. Focus will be placed on the interaction between cell shape, substrate, mechanics, receptor mediated adhesion and applied force with mechanical and chemical signal transduction pathways.

Prerequisite(s): [(BIO 1200 and BIO 1300) or BIO 2600] and [CHM 1440 and CHM 1470]

**BE 4900 - Special Topics (2 TO 4)**

Advanced study of special topics in bioengineering.

Prerequisite(s): Major standing

**BE 4996 - Independent Study (2 TO 4)**

Independent work on advanced laboratory projects. Topic must be approved prior to registration. May repeat.

Prerequisite(s): Major standing

**BE 4998 - Senior Project (2 TO 4)**

Independent work on advanced laboratory projects. Topic must be approved prior to registration.

**BE 4999 - Research Project/Capstone Design (4)**

Students integrate multi-disciplinary knowledge and the various skills in laboratory work and communication to solve problems using engineering biology principles under real world constraints. Students will present project proposals to the faculty advisory panel, demonstrate feasibility, implement the projects, present the final projects, and compete for best project. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisites for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): major standing and senior status.

# Department of Biological Sciences

375 DODGE HALL  
(248) 370-3550  
Fax: (248) 370-4225

Chairperson: Douglas L. Wendell

Professors emeriti: Francis M. Butterworth, John D. Cowlshaw, George J. Gamboa, Esther M. Goudsmit, R. Douglas Hunter, Charles B. Lindemann, Virinder K. Moudgil, Ashish C. Nag, John R. Reddan, Nalin J. Unakar

Professors: G. Rasul Chaudhry, Sheldon R. Gordon, Shailesh K. Lal

Associate professors: Amy Banes-Berceli, Fabia U. Battistuzzi, Keith A. Berven, Chhabi Govind, Feona M. Hansen, Anne L. Hitt, Lan Jiang, Zijuan Liu, Gerard Madlambayan, Thomas R. Raffel, Mi Hye Song, Scott Tiegs, Satish K. Walia, Douglas L. Wendell

Assistant professors: Sara Blumer-Schuetz, Mary Jamieson, Taras K. Oleksyk, Sang Hoon Rhee, Luis G. Villa-Diaz, Randal Westrick

Adjunct professor: Ronny Otero

Adjunct associate professors: Mary Tracy-Bee, Sumit Dinda, Andrew F. X. Goldberg, Howard A. Klausner

Adjunct assistant professors: Sarah Hosch, Ashok Kumar, Mark A. Sturtevant

Visiting Assistant Professor: Subha Bhaskaran

Special instructors: Mary E. Craig, Jonathan W. Yates

Special lecturers: Thomas G. Fishwild, Holly Greiner-Hallman, Janell Hallauer, Christopher Kuhn, Gary Miller, Megan Niedzwiecki, Michael O'Regan, Ann Sturtevant, Sandra Troxell-Smith

Lecturers: Gerard R. Jozwiak, Tobi Limke, James Montante, Andrea Moyer, Richard Sabina, Bridget Varughese

Chief adviser: Sarah Hosch

The Department of Biological Sciences offers several undergraduate programs of study leading to a Bachelor of Arts degree in biology and the Bachelor of Science degrees in biology, biomedical sciences, biochemistry, and bioengineering. These undergraduate programs prepare students for graduate study in the life sciences in areas ranging from cell and molecular biology to ecology and environmental sciences; professional careers in medicine, dentistry, optometry or veterinary medicine; laboratory work and research in industries concerned with biological materials; nursing or other allied health areas; or

teaching science in high school. For information on graduate study within the department, see the Oakland University Graduate Catalog.

The department's academic programs benefit from a diversified selection of courses and research opportunities in biochemistry, bioinformatics, botany, cell and molecular biology, developmental biology, ecology, evolutionary biology, genetics, microbiology, morphology, physiology, immunology and zoology. Students select courses that suit their goals and interests. Students may apply to participate in the research laboratories of individual faculty members for which they may receive course credit (BIO 4995). Many such students appear as co-authors on scientific publications as a result of the work in which they participated. Such opportunities are of particular value to students preparing for graduate study or research positions. High school students intending to major in biological sciences should refer to the Admissions section of the catalog for specific preparation requirements. All biology prerequisite courses must be completed with a minimum grade of C or higher.

### **Programs**

- Biology, B.S.
- Biology, B.A.
- Biomedical Sciences, B.S.
- Biochemistry, B.S.
- Bioengineering, B.S.
- Biological Sciences, STEP
- Biology Secondary Teaching Minor
- Biology Minor

### **Concentration in pre-medical studies: medicine, dentistry, optometry and veterinary medicine**

Requirements for Departmental Honors in Biology and Biomedical Sciences

Departmental honors may be granted to students who have been nominated by a faculty member on the basis of high academic achievement and excellence in either independent research or teaching assistance.

The specific requirements are:

1. 3.20 grade point average (GPA) minimum overall and 3.50 GPA minimum in BIO courses,
2. excellence in one of the following two service roles:
  - a. assisting in teaching a laboratory course(s) either for pay or credit
  - b. performing independent laboratory study or serving as a laboratory research assistant.

### **Biology, B.S.**

Requirements for the major in biology, B.S.

This curriculum is designed for students who wish to pursue a career in the sciences, including medicine and health-related fields. A minimum of 52 credits in biology (excepting BIO 1000, BIO 1002, BIO 1004,

BIO 2006 and BIO 3000) is required, including at least ten lecture courses and a minimum of five BIO laboratory courses. Students must complete:

1. Required core courses

- BIO 1200 - Biology I (4)
- BIO 1300 - Biology II (4)
- BIO 1201 - Biology Laboratory (1)
- BIO 3232 - Biochemistry I (4)
- BIO 3400 - Genetics (4)
- BIO 3340 - Evolutionary Biology (4)
- BIO 4970 - Scientific Inquiry and Communication (4)

2. One course from each of the following areas

Cell-Molecular/Biomedical

- BIO 3130 - Developmental Biology (4)
- BIO 3210 - Biology of the Cell (4)
- BIO 3500 - General Microbiology (4)
- BIO 4210 - Molecular Biology (4)

Systems Biology

- BIO 3312 - Field Botany (4)
- BIO 3320 - Vertebrate Zoology (5)
- BIO 3322 - Marine Biology (4)
- BIO 3330 - Ecology (5)
- BIO 3332 - Field Biology (4)
- BIO 3333 - Tropical Field Ecology (3)
- BIO 3334 - Botany (4)
- BIO 3350 - Animal Behavior (4)
- BIO 4320 - Medical Parasitology (4)
- BIO 4330 - Ecology of Streams and Rivers (4)
- BIO 4380 - Ecological Problem Solving (4)

Systems Physiology

- BIO 2600 - Human Physiology (4)
- BIO 2640 - Comparative Physiology (4)
- BIO 2650 - Plant Physiology (4)
- BIO 3620 - Medical Physiology (4)

3. Three additional biology elective courses at the 2000 level or above

4. 8 credits of BIO 4000-level lecture courses are required in the major.

Note: BIO 3920, BIO 4111, BIO 3333 (formerly 4333), BIO 4932, BIO 4995, BIO 4970 and BIO 4997 do not satisfy this requirement for 4000-level lecture courses but may be used to fulfill additional biology elective credits.

5. Four biology laboratory courses at the 3000 level or above

Note: BIO 2101 does not fulfill this requirement. BIO 3361 and BIO 4995 may only count toward one lab requirement, even if taken multiple times.

#### 6. Chemistry requirements

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II

CHM 2340 - Organic Chemistry I (4)

Plus one of the following

CHM 2350 - Organic Chemistry II (4) and CHM 2370 - Organic Chemistry Laboratory (2) or

CHM 2200 - Introduction to Computational Chemistry (2) and CHM 3250 - Analytical Chemistry (4)

#### 7. Physics requirements

PHY 1010 - General Physics I (4) or PHY 1510 - Introductory Physics I

PHY 1100 - General Physics Lab I (1)

PHY 1020 - General Physics II (4) or PHY 1520 - Introductory Physics II

PHY 1110 - General Physics Lab II (1)

#### 8. Mathematics requirements (up to 8 credits)

MTH 1441 - Precalculus (4) (or MTH 1331 and MTH 1332)

MTH 1222 - Calculus for the Social Sciences (4) or MTH 1554 - Calculus I

(or course competency as determined by the Department of Mathematics and Statistics)

#### 9. Four credits of statistics

STA 2222 - Statistical Methods for Biology (4)

#### Note

Corresponding lecture and lab courses should normally be taken simultaneously. Note that some courses have incorporated labs into lecture credit while other labs are given separate credit.

Students using this catalog to meet biology B.S. major requirements may also use any course subsequently approved as satisfying specific requirements and published in a later catalog. Requirements for a modified major in biology (B.S.) with a specialization in anatomy

Adviser: Mary E. Craig

Students considering a career in the many aspects of the medical fields as well as anatomical teaching, may elect this specialization in their sophomore year. The selection of all courses should be planned in consultation with the adviser.

Biology courses required for the anatomy specialization include

- BIO 2100 - Human Anatomy (4)
- BIO 2101 - Human Anatomy Laboratory (1)
- BIO 4100 - Advanced Visceral Human Anatomy (4)
- BIO 4111 - Advanced Regional Dissection (2)
- BIO 4120 - Neuroanatomy (4)

And one of the following electives

- BIO 3140 - Histology (4) with BIO 3141 - Histology Laboratory (1)
- BIO 3320 - Vertebrate Zoology (5)
- BIO 4112 - Advanced Musculoskeletal Human Anatomy (4)

Requirements for a modified major in biology (B.S.) with a specialization in cell-molecular biology

Adviser: Lan Jiang

Students considering a career in cell biology, biotechnology or molecular biology may elect this specialization in their sophomore year. The selection of all courses should be planned in consultation with the adviser.

Biology courses required are

- BIO 3210 - Biology of the Cell (4)
- BIO 3211 - Biology of the Cell Laboratory (1)
- BIO 3500 - General Microbiology (4)
- BIO 3501 - General Microbiology Laboratory (1)
- BIO 3233 - Biochemistry I Laboratory (1)
- BIO 3401 - Genetics Laboratory (1)
- BIO 4210 - Molecular Biology (4)
- BIO 4232 - Biochemistry II (4) or BIO 4510 - Virology (4)

Requirements for a modified major in biology (B.S.) with a specialization in microbiology

Adviser: Sara Blumer-Schuetz



Students considering a career in biotechnology, microbiology technology and research may elect this specialization in their sophomore or junior year. The selection of all courses should be planned in consultation with the adviser.

Biology courses required for the microbiology specialization are

- BIO 3500 - General Microbiology (4)
- BIO 3501 - General Microbiology Laboratory (1)
- BIO 4530 - Medical Microbiology (4)
- BIO 4510 - Virology (4)

And one of the following electives

- BIO 4210 - Molecular Biology (4)
- BIO 4226 - Immunology (4)
- BIO 4412 - Functional Genomics and Bioinformatics (4)

### **Concentration in pre-medical studies: medicine, dentistry, optometry and veterinary medicine**

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Biology, B.A.**

Requirements for the liberal arts major in biology, B.A. program

This curriculum is designed for students intending to incorporate a biology major into a broader liberal arts program in pursuit of careers in technical fields or business or postgraduate study. Students in the B.A. curriculum who wish to apply to medical or dental schools are advised to complete the concentration in pre-medical studies: medicine, dentistry, optometry and veterinary medicine.

A minimum of 42 credits in biology (excepting BIO 1000, BIO 1002, BIO 1004, BIO 2006 and BIO 3000) is required, including at least nine lecture courses and a minimum of four BIO laboratory courses. Students must complete:

#### 1. Required core courses

- BIO 1200 - Biology I (4)
- BIO 1300 - Biology II (4)
- BIO 1201 - Biology Laboratory (1)
- BIO 3232 - Biochemistry I (4) or BIO 3230 - Fundamentals of Biochemistry (4)

- BIO 3400 - Genetics (4)
- BIO 3340 - Evolutionary Biology (4)
- BIO 4970 - Scientific Inquiry and Communication (4)

2. One course from each of the following areas

Cell-Molecular/Biomedical

- BIO 3210 - Biology of the Cell (4)
- BIO 3500 - General Microbiology (4)
- BIO 3130 - Developmental Biology (4)
- BIO 4210 - Molecular Biology (4)

Systems Biology

- BIO 3312 - Field Botany (4)
- BIO 3320 - Vertebrate Zoology (5)
- BIO 3322 - Marine Biology (4)
- BIO 3330 - Ecology (5)
- BIO 3332 - Field Biology (4)
- BIO 3333 - Tropical Field Ecology (3)
- BIO 3334 - Botany (4)
- BIO 3350 - Animal Behavior (4)
- BIO 4320 - Medical Parasitology (4)
- BIO 4330 - Ecology of Streams and Rivers (4)
- BIO 4380 - Ecological Problem Solving (4)

3. Two additional biology elective courses at the 2000 level or above

4. Four credits of BIO 4000-level lecture courses are required in the major.

Note: BIO 3333, BIO 3920, BIO 4111, BIO 4932, BIO 4995, BIO 4970 and BIO 4997 do not satisfy this requirement.

5. Three biology laboratory courses at the 3000 level or above

Note: One course may be BIO 4995 - Independent Research. BIO 3361 and BIO 4995 may only count toward one laboratory requirement, even if taken multiple times. BIO 2101 does not fulfill this requirement.

6. Chemistry requirements

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II

CHM 2340 - Organic Chemistry I (4)

7. Physics requirements

PHY 1010 - General Physics I (4) or PHY 1510 - Introductory Physics I

PHY 1100 - General Physics Lab I (1)

PHY 1020 - General Physics II (4) or PHY 1520 - Introductory Physics II

PHY 1110 - General Physics Lab II (1)

#### 8. Mathematics requirement

MTH 1441 - Precalculus (4) (or MTH 1331 and MTH 1332)

(or course competency as determined by the Department of Mathematics and Statistics)

#### 9. Statistics requirement

STA 2222 - Statistical Methods for Biology (4)

#### Note

Corresponding lecture and lab courses should normally be taken simultaneously. Note that some courses have incorporated labs into lecture credit while other labs are given separate credit.

Students using this catalog to meet biology B.A. major requirements may also use any course subsequently approved as satisfying specific requirements and published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Biomedical Sciences, B.S.**

Requirements for the major in biomedical sciences, B.S.

Adviser: Sarah Hosch (Biological Sciences)

The biomedical sciences major at Oakland University is designed to provide excellent preparation for accomplished undergraduates students who: 1) plan on continuing education towards a medical professional degree (MD, DO, PA, DVM, etc.) or 2) are interested in pursuing a graduate degree (MS, PhD) leading to a research career in human biology. This major integrates a multitude of core disciplines and provides students with a comprehensive foundation in biology and other basic sciences. The course work also includes requirements in psychology, ethics, and social sciences, which complement the basic sciences for specialization areas in which human interaction is a significant component. A balance between theoretical and practical experience and an emphasis on integrative biology are key elements to the biomedical sciences major. Satisfactory completion of the program requires a minimum grade point average of 3.0 in the core courses.

### Admission to major standing

Students will be admitted to the program upon completing BIO 1200 and CHM 1440 and CHM 1470 with a combined grade point average (GPA) of 3.5 and declaring the major.

### Course requirements

To earn the degree of Bachelor of Science with a major in biomedical science, students must complete a minimum of 112 credits in the major, including the core courses and 10 credits from the list of program elective courses. Overall, the B.S. degree in Biomedical Sciences requires a minimum of 132 total credits, including university General Education credit requirements.

#### Core courses

- BIO 1200 - Biology I (4)
- BIO 2100 - Human Anatomy (4)
- BIO 2101 - Human Anatomy Laboratory (1)
- BIO 2600 - Human Physiology (4)
- BIO 3520 - Introduction to Human Microbiology (4)
- BIO 3521 - Human Microbiology Laboratory (1)
- BIO 3210 - Biology of the Cell (4)
- BIO 3621 - Physiology Laboratory (1)
- BIO 3232 - Biochemistry I (4) or BCM 4254 - Biochemistry I (3)
- BIO 4226 - Immunology (4)
- BIO 4340 - Principles of Evolutionary Medicine (4)
- BIO 4234 - Biochemistry of Metabolism and Disease (4) or BCM 4256 - Biochemistry II (3) or BIO 4232 - Biochemistry II (4)
- BIO 4402 - Human Genetics (4)
- BIO 4629 - Scientific Inquiry (1)
- BIO 4660 - Integrative Pharmacology (4)
- BIO 4972 - Integrative Biomedicine and Disease (4)
- MTH 1554 - Calculus I (4) (or course competency as determined by the Department of Mathematics and Statistics)
- STA 2222 - Statistical Methods for Biology (4)
- PHY 1510 - Introductory Physics I (4) or PHY 1010 - General Physics I (4)
- PHY 1100 - General Physics Lab I (1)
- PHY 1520 - Introductory Physics II (4) or PHY 1020 General Physics II (4)
- PHY 1110 - General Physics Lab II (1)
- CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)
- CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)
- CHM 2340 - Organic Chemistry I (4)
- CHM 2350 - Organic Chemistry II (4)
- CHM 2370 - Organic Chemistry Laboratory (2)
- PHL 1300 - Introduction to Ethics (4) or PHL 3500 - Bioethics (4) or HS 4500 - Ethics in Health Care

(4)

PSY 1000 - Introduction to Psychology (4)

PSY 2500 - Research Design in Psychology (4) or SOC 1000 - Introduction to Sociology (4)

## Program electives (10 credits)

BCM 4995 - Biochemistry Research (1 TO 4)

BIO 3130 - Developmental Biology (4)

BIO 3220 - Neurobiology (4)

BIO 3140 - Histology (4)

BIO 3141 - Histology Laboratory (1)

BIO 3233 - Biochemistry I Laboratory (1)

BIO 3401 - Genetics Laboratory (1)

BIO 3620 - Medical Physiology (4)

BIO 3662 - Neuropharmacology (4)

BIO 4100 - Advanced Visceral Human Anatomy (4)

BIO 4111 - Advanced Regional Dissection (2)

BIO 4112 - Advanced Musculoskeletal Human Anatomy (4)

BIO 4120 - Neuroanatomy (4)

BIO 4210 - Molecular Biology (4)

BIO 4220 - Cell Biology of Cancer (4)

BIO 4230 - Cellular Biochemistry (4)

BIO 4320 - Medical Parasitology (4)

BIO 4400 - Advanced Genetics (4)

BIO 4412 - Functional Genomics and Bioinformatics (4)

BIO 4510 - Virology (4)

BIO 4530 - Medical Microbiology (4)

BIO 4620 - Advanced Human Physiology (4)

BIO 4622 - Endocrinology (4)

BIO 4930 - Introduction to Human Subjects Research I (4)

BIO 4932 - Introduction to Human Subjects Research II (4)

BIO 4995 - Independent Research (1 TO 4)

CDS 2100 - Medical Terminology (1)

MTH 1555 - Calculus II (4)

PSY 2250 - Introduction to Life-Span Developmental Psychology (4)

PSY 3180 - Biological Psychology (4)

PSY 3410 - Adult Psychopathology (4)

PSY 3430 - Child Psychopathology (4)

PSY 3450 - Health Psychology (4)

SOC 2220 - Sociology of Mental Illness (4)

SOC 3210 - Sociological Perspectives on Aging (4)

SOC 3430 - Sociology of Health and Medicine (4)

WRT 3081 - Science Writing (4)

NTR 3130 - Nutrition and Culture (4)

NTR 3230 - Foodborne Illnesses (2)

NTR 2700 - Introduction to Food Science (3)

NTR 4150 - Nutrient Metabolism (4)

CDS 4160 - Hematology/Hemostasis II (4)  
 PHY 3250 - Biological Physics (4)  
 PHY 3260 - Medical Physics (4)  
 4 credits in a foreign language at the 2000 level or higher

#### Note

Students using this catalog to meet biomedical sciences B.S. major requirements may also use any course subsequently approved as satisfying requirements in the program electives area and published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

Requirements for a modified major in biomedical sciences (B.S.) with a specialization in anatomy

Adviser: Mary E. Craig

Students considering a career in the many aspects of the medical fields, as well as anatomical teaching, may elect this specialization in their sophomore year. The selection of all courses should be planned in consultation with the adviser.

Biology courses required for the anatomy specialization include

BIO 2100 - Human Anatomy (4)  
 BIO 2101 - Human Anatomy Laboratory (1)  
 BIO 4100 - Advanced Visceral Human Anatomy (4)  
 BIO 4111 - Advanced Regional Dissection (2)  
 BIO 4120 - Neuroanatomy (4)

And one of the following electives

BIO 3140 - Histology (4) with BIO 3141 - Histology Laboratory (1)  
 BIO 3320 - Vertebrate Zoology (5)  
 BIO 4112 - Advanced Musculoskeletal Human Anatomy (4)

#### **Biochemistry, B.S.**

Coordinator: Colin Wu (Chemistry)

Biochemistry Committee: Sitaramayya Ari (Chemistry), Chabi Govind (Biological Sciences), Zijuan Liu (Biological Sciences), Adam Avery (Chemistry)

This interdepartmental program offers a Bachelor of Science degree with a major in biochemistry. The biochemistry program is based on faculty resources and research facilities in the departments of Biological Sciences and Chemistry. The curriculum is designed to prepare students for a career in biochemical research, graduate study in biochemistry or molecular biology, or professional education in medicine, dentistry or other health sciences.

Undergraduate students in the biochemistry program have access to faculty research laboratories and are encouraged to participate in various ongoing research programs such as studies in metabolism, gene expression, neurodegeneration, cancer research, hormone action, immunochemistry, molecular biology, molecular genetics and macromolecular structure.

The minimum requirement for a B.S. in biochemistry is 124 credits, including coursework in biological sciences (16 credits), chemistry (32 credits) and biochemistry (12 credits). No more than eight credits of coursework used to fulfill the requirements of a major or minor in biology may be used to fulfill the requirements of a major in biochemistry. Courses used to fulfill the requirements for a major in biochemistry may not be used simultaneously to fulfill the requirements for a major or minor in chemistry.

#### Admission to Major Standing

Students may apply for major standing after completion of 18 credits of chemistry and at least eight credits of biology from the requirements listed below, with a grade-point average (GPA) of at least 2.50 in those courses. The biochemistry committee must approve major standing and a detailed plan of study at least three semesters prior to graduation.

Requirements for biochemistry, B.S.

Students wishing to select the biochemistry major should prepare a detailed plan of study in consultation with a Biochemistry Coordinator. To earn the Bachelor of Science degree with a major in biochemistry, students must complete:

#### 1. Required biology courses

BIO 1200 - Biology I (4)

BIO 1300 - Biology II (4)

#### 2. Eight or more credits of biology chosen in consultation with the biochemistry program coordinator from the following courses

BIO 3210 - Biology of the Cell (4)

BIO 3211 - Biology of the Cell Laboratory (1)

BIO 3500 - General Microbiology (4)

BIO 3501 - General Microbiology Laboratory (1)

BIO 3620 - Medical Physiology (4)

BIO 3621 - Physiology Laboratory (1)

BIO 3130 - Developmental Biology (4)

BIO 3400 - Genetics (4)

Other appropriate courses may be approved on an individual basis.

#### 3. Required chemistry courses

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)  
CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)  
CHM 2340 - Organic Chemistry I (4)  
CHM 2350 - Organic Chemistry II (4)  
CHM 2370 - Organic Chemistry Laboratory (2)  
CHM 3250 - Analytical Chemistry (4)  
CHM 3420 - Physical Chemistry I (4)  
CHM 3430 - Physical Chemistry II (4)

#### 4. Required biochemistry courses

BCM 4254 - Biochemistry I (3)  
BCM 4256 - Biochemistry II (3)  
BCM 4257 - Biochemistry Laboratory (3)

And additional credits selected from the following courses

CHM 3620 - Descriptive Inorganic Chemistry (3)  
BIO 4230 - Cellular Biochemistry (4)  
BIO 4210 - Molecular Biology (4)  
BIO 4400 - Advanced Genetics (4)  
BIO 4530 - Medical Microbiology (4)  
BIO 4226 - Immunology (4)  
BIO 4412 - Functional Genomics and Bioinformatics (4)  
BIO 4340 - Principles of Evolutionary Medicine (4)  
BIO 4402 - Human Genetics (4)  
CHM 4120 - Atmospheric Chemistry (3)  
CHM 4130 - Environmental Aquatic Chemistry (3)  
CHM 4580 - Biochemistry Projects (2)  
CHM 5530 - Advanced Biochemistry (3)  
CHM 5902 - Topics in Biochemistry (3)  
CHM 5810 - Biochemical Toxicology (3)  
BCM 4995 - Biochemistry Research (1 TO 4)  
Other appropriate courses may be approved on an individual basis.

#### 5. Corequisites

MTH 1554 - Calculus I (4)  
MTH 1555 - Calculus II (4)  
PHY 1510 - Introductory Physics I (4) and PHY 1100 - General Physics Lab I (1)  
PHY 1520 - Introductory Physics II (4) and PHY 1110 - General Physics Lab II (1)

#### 6. Admission to major standing at least three semesters prior to graduation



Students may apply for major standing after completion of 18 credits of chemistry and at least eight credits of biology, with a grade-point average (GPA) of 2.50 in those courses. The biochemistry committee must approve major standing and a detailed plan of study at least three semesters prior to graduation.

Recommended electives

- STA 2226 - Applied Probability and Statistics (4)
- CHM 2200 - Introduction to Computational Chemistry (2)
- CHM 3620 - Descriptive Inorganic Chemistry (3)

Pre-medical studies concentration: medicine, dentistry, optometry and veterinary medicine

The Bachelor of Science degree with a major in biochemistry provides students with all the requirements for a pre-medical studies concentration. The Bachelor of Science degree and the Bachelor of Arts degree with a major in chemistry provide students with all the requirements for a pre-medical studies concentration with the exception of five courses in biology/biochemistry that must be completed. Students interested in a medical career may also refer to the pre-medical studies concentration in medicine, dentistry, optometry and veterinary medicine (see Other Academic Options of catalog) and consult with the biology or biochemistry adviser and with the College of Arts and Science Advising Office or a Department of Biological Sciences Adviser.

The department offers selected courses from this catalog as warranted by student needs and faculty availability.

### **Bioengineering, B.S.**

Requirements for bioengineering, B.S.

Course requirements (minimum of 129 total credits)

In order to earn the degree of Bachelor of Science with a major in Bioengineering, students must complete a minimum of 129 credits including satisfying general education requirements. Bioengineering students must also complete Mathematics & Sciences (52 credits), Engineering Core (21 credits), and Bioengineering Required (12 credits) courses. Students will broaden knowledge in a specific area of Bioengineering by electing a sequence of courses in professional option tracks to satisfy the Bioengineering electives requirement (16 credits). Alternatively, students may elect any combination of courses listed under these professional option tracks to meet this requirement as long as 12 credits are from courses with engineering-based material.

General education -- 28 credits

Students are required to take PHL 1310 - Introduction to Ethics in Science and Engineering (4) to satisfy the Western Civilization requirement.

To satisfy the General Education Requirements in Social Science, Bioengineering students are required to take one of the following economics courses: ECN 1500, ECN 2010, ECN 2020, or ECN 2100.

In order to graduate on-schedule without taking additional courses, it is highly recommended that students meet with an SECS Undergraduate Academic Adviser concerning the selection of all of their general education courses.

Math and Science - 52 credits

MTH 1554 - Calculus I (4)  
 MTH 1555 - Calculus II (4)  
 APM 2555 - Introduction to Differential Equations with Matrix Algebra (4)  
 MTH 2554 - Multivariable Calculus (4) or APM 2663 - Discrete Mathematics (4)  
 BIO 1200 - Biology I (4)  
 BIO 1201 - Biology Laboratory (1)  
 BIO 2600 - Human Physiology (4)  
 BIO 3621 - Physiology Laboratory (1)  
 PHY 1610 - Fundamentals of Physics I (4)  
 PHY 1620 - Fundamentals of Physics II (4)  
 PHY 3250 - Biological Physics (4)  
 CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)  
 CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)  
 CHM 2340 - Organic Chemistry I (4)

Engineering Core - 21 credits

EGR 1200 - Engineering Graphics and CAD (1) (1)  
 EGR 1400 - Computer Problem Solving in Engineering and Computer Science (4)  
 EGR 2400 - Introduction to Electrical and Computer Engineering (4)  
 EGR 2500 - Introduction to Thermal Engineering (4)  
 EGR 2600 - Introduction to Industrial and Systems Engineering (4)  
 EGR 2800 - Design and Analysis of Electromechanical Systems (4)

Bioengineering Required Courses - 12 credits

BE 3150 - Bioinstrumentation (4)  
 BE 3899 - Introduction to Engineering Biology (4)  
 BE 4999 - Research Project/Capstone Design (4)

Professional Option Tracks - 16 credits

Track 1: Biomedical Imaging and Signal Processing

PHY 3260 - Medical Physics (4)  
 BE 4100 - Biomedical Signal Processing (4)  
 BE 4110 - Medical Imaging (4)  
 BE 4120 - Medical Image Analysis (4)

Track 2: Bioinformatics and Genome Engineering

BE 4200 - Genetic and Genomic Engineering (4)  
 BIO 4412 - Functional Genomics and Bioinformatics (4)  
 CSI 3450 - Database Design and Implementation (4)  
 CSI 4780 - Bioinformatics (4)

### Track 3: Molecular Engineering

BIO 3500 - General Microbiology (4) \*  
 BE 4300 - Bioprocess Engineering (4)  
 BIO 4550 - Microbial Biotechnology (4)  
 ME 3500 - Introduction to Fluid and Thermal Energy Transport (4)

\* This course does not satisfy the engineering-based material requirement

### Track 4: Tissue Engineering

BE 4400 - Tissue Engineering (4)  
 BIO 3142 - Bioengineering Organs and Tissues (4)  
 ME 3250 - Mechanics of Materials (4)  
 ME 4210 - Analysis and Design of Mechanical Structures (4)  
 BE 4900, BE 4996 and BE 4998 may also be selected to meet curriculum requirements. Prior approval is required to take these courses.

### Major Standing

To enroll in 3000 or higher-level courses and to become candidates for the B.S. in Bioengineering, students must gain major standing. An application for major standing should be submitted prior to intended enrollment in 3000 or higher-level courses. Forms may be obtained from the SECS Undergraduate advising office or from the SECS website.

To gain major standing and be considered for a degree in Bioengineering, students must:

- A) have an average of at least C in the following mathematics and sciences courses: BIO 1200, BIO 1201, MTH 1554, MTH 1555, APM 2555, CHM 1440, and PHY 1610
- B) have an average of at least C in the following engineering core courses: EGR 1200, EGR 1400, EGR 2400, EGR 2500, EGR 2600, and EGR 2800.
- C) have no more than two grades below C in the required courses in A and B above;
- D) have not attempted any course listed in A and B above more than three times. Students may petition to repeat a course a fourth time; and
- E) have not repeated more than three different courses listed in A and B. Courses in which a W (withdrawal) grade is recorded will not be counted.

Conditional major standing may be granted in the semester in which the student will complete the courses listed in A and B above.

### Performance requirements

In addition to the previously stated requirements, satisfactory completion of the program requires an average grade of at least C within each group: mathematics and sciences, engineering core,

Bioengineering required, and professional tracks. For Bioengineering required and professional track courses, at most two grades below C are permitted, at most two different courses may be repeated, and a total of three attempts are permitted.

Students in this program are not required to complete the College of Arts and Sciences exploratory requirements but must complete the General Education Requirements including capstone and writing intensive courses.

Sample Bioengineering schedule

Students may follow a schedule such as the one indicated below

Freshman year

Fall semester - 17 credits

MTH 1554 - Calculus I (4)

EGR 1400 - Computer Problem Solving in Engineering and Computer Science (4)

BIO 1200 - Biology I (4)

BIO 1201 - Biology Laboratory (1)

General Education (4)

Winter semester - 17 credits

MTH 1555 - Calculus II (4)

EGR 2400 - Introduction to Electrical and Computer Engineering (4)

PHY 1610 - Fundamentals of Physics I (4)

EGR 1200 - Engineering Graphics and CAD (1) (1)

General Education (4)

Sophomore year

Fall semester - 17 credits

APM 2555 - Introduction to Differential Equations with Matrix Algebra (4)

EGR 2600 - Introduction to Industrial and Systems Engineering (4)

CHM 1440 - General Chemistry I (4)

CHM 1470 - General Chemistry Laboratory I (1)

General Education (4)

Winter semester - 16 credits

MTH 2554 - Multivariable Calculus (4)

EGR 2500 - Introduction to Thermal Engineering (4)

EGR 2800 - Design and Analysis of Electromechanical Systems (4)

General Education (4)

Junior year

Fall semester - 17 credits

CHM 1450 - General Chemistry II (4)

CHM 1480 - General Chemistry Laboratory II (1)

BE 3150 - Bioinstrumentation (4)  
 BIO 2600 - Human Physiology (4)  
 General Education (4)

Winter semester - 17 credits

PHY 1620 - Fundamentals of Physics II (4)  
 CHM 2340 - Organic Chemistry I (4)  
 BE 3899 - Introduction to Engineering Biology (4)  
 BIO 3621 - Physiology Laboratory (1)  
 General Education (4)

Senior year

Fall semester -16 credits

Professional track (4)  
 Professional track (4)  
 Professional track (4)  
 General Education (4)

Winter semester - 12 credits

PHY 3250 - Biological Physics (4)  
 BE 4999 - Research Project/Capstone Design (4)  
 Professional track (4)

### **Biological Sciences, STEP**

Adviser: Fabia U. Battistuzzi (Biological Sciences)

The Secondary Teacher Education Program (STEP) at Oakland University is an extended program of study leading to certification. Generally, eligibility for admission to the STEP requires a minimum GPA of 3.00 in both the major and minor, and an overall GPA of at least 2.80. No single major or minor course grade may be below C, and a grade of B or higher is required in WRT 1060. Second-undergraduate degree candidates completing major and/or minors may be required to complete additional coursework at Oakland University beyond the stated minimums.

Applications for the STEP program are due October 1 of each year.

Students in this program must complete the requirements for a B.A. or B.S. degree in the College of Arts and Sciences and concurrently fulfill the major requirements listed below:

1. One course from the following eight biological areas, as defined by the department and chosen in consultation with the biology adviser

Note that a single course may satisfy more than one area.

Cell biology/biochemistry

BIO 1200 - Biology I (4)

BIO 3210 - Biology of the Cell (4)  
BIO 3230 - Fundamentals of Biochemistry (4)  
BIO 3130 - Developmental Biology (4)  
BIO 3232 - Biochemistry I (4)

#### Physiology

BIO 2600 - Human Physiology (4)  
BIO 3620 - Medical Physiology (4)

#### Zoology

BIO 2100 - Human Anatomy (4)  
BIO 3332 - Field Biology (4)  
BIO 3140 - Histology (4)  
BIO 3320 - Vertebrate Zoology (5)  
BIO 3130 - Developmental Biology (4)  
BIO 3350 - Animal Behavior (4)  
BIO 4320 - Medical Parasitology (4)

#### Botany

BIO 3310 - Dendrology (4)  
BIO 3312 - Field Botany (4)  
BIO 3334 - Botany (4)

#### Ecology

BIO 3330 - Ecology (5)  
BIO 3332 - Field Biology (4)  
BIO 3340 - Evolutionary Biology (4)

#### Genetics

BIO 3400 - Genetics (4)

#### Microbiology

BIO 3520 - Introduction to Human Microbiology (4)  
BIO 3500 - General Microbiology (4)  
BIO 4530 - Medical Microbiology (4)  
BIO 4320 - Medical Parasitology (4)

#### Evolution

BIO 1300 - Biology II (4)  
BIO 3340 - Evolutionary Biology (4)

2. A minimum of four biology laboratory courses

(Five laboratory courses are required for the B.S. degree).

3. One course in earth science, chosen from

ENV 3080 - Introduction to Environmental Studies (4)

ENV 3730 - Water Resources (3)

PHY 1060 - Earth Science/Physical Geography (4)

4. One course in science, technology and society, chosen from

AN 3110 - Culture, Society and Technology (4)

CHM 3000 - Chemistry, Society Health (4)

ENV 3080 - Introduction to Environmental Studies (4)

ENV 3120 - Energy and the Environment (4)

ENV 3730 - Water Resources (3)

PHL 3500 - Bioethics (4)

5. Education courses

STEP biology majors must also complete a sequence of undergraduate coursework in education to include:

SED 3000 - Introduction to Secondary Education (4) (must be completed prior to STEP application; includes a required field experience)

FE 3010 - Educational Psychology for K-12 Educators (4) (may include a field experience)

DLL 4197 - Digital Technologies in the Secondary Classroom (4)

RDG 4238 - Teaching Reading in the Content Areas (4) (includes a required field experience)

SE 4401 - Introduction to Students with Special Needs (4) (may include a required field experience)

SED 4100 - ST: Teaching Secondary in the Minor Methods (4) (pedagogy course that includes a required field experience)

SED 4200 - ST: Teaching Secondary of the Major Methods (4) (pedagogy course that includes a required field experience)

SED 4951 - Internship I: Pre-Student Teaching (4)

SED 4952 - Internship in Secondary Education (8)

6. Secondary teaching minor or endorsement concentration

A program in STEP must include either a 20-28 credit secondary teaching minor or an integrated science endorsement concentration. Teaching minors available to Biology STEP students include chemistry, economics, teaching English as a second language (TESL), history, mathematics, physics, and political science.

Additional information

Further details on program admission requirements and procedures can be found in the school of Education and Human Services portion of this catalog and by consulting advisers in the Department of English and the School of Education and Human Services advising office at 363 Pawley Hall, (248) 370-4182, or the School of Education and Human Services web site.

## Additional Degree Requirements

In addition to these major requirements, students must complete the Oakland University General Education Requirements and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

Secondary Teacher Education Program (STEP): Endorsement Concentration in Integrated Science

Students pursuing the STEP biology major are eligible to pursue an Integrated Science endorsement. Students who complete both the STEP biology major and the STEP integrated science program will be recommended for certification by Oakland University to teach the following subjects at the secondary level: biology, chemistry, earth science, life science, physical science and physics. This program may be substituted for a secondary teaching minor.

Students must complete the STEP biology major and also have taken the following courses

BIO 1200 - Biology I (4)

BIO 1300 - Biology II (4)

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)

CHM 2340 - Organic Chemistry I (4)

ENV 3080 - Introduction to Environmental Studies (4)

PHY 1010 - General Physics I (4) or PHY 1510 - Introductory Physics I (4)

PHY 1100 - General Physics Lab I (1)

PHY 1020 - General Physics II (4) or PHY 1520 - Introductory Physics II (4)

PHY 1110 - General Physics Lab II (1)

PHY 1040 - Astronomy: The Solar System (4)

PHY 1060 - Earth Science/Physical Geography (4) or GEO 1060 - Earth Science/Physical Geography (4)

## Additional information

STEP biology majors should note that many of the courses listed above may have already been taken in the process of completing the STEP biology major.

To progress into the internship year, students admitted to the OU STEP must maintain a minimum GPA of 3.00 in their major and minor coursework and in their education coursework, with no single major or minor course grade below C and no single education course grade below B-.

Second undergraduate degree candidates completing the program may be required to take additional courses at Oakland University beyond the stated minimums. Students must consult with the STEP biology adviser.

## Additional information

Further details on program admission requirements and procedures can be found in the school of Education and Human Services portion of this catalog and by consulting advisers in the Department of



Biological Sciences and the School of Education and Human Services advising office at 363 Pawley Hall, (248) 370-4182, or the School of Education and Human Services web site.

### **Biology Secondary Teaching Minor**

Requirements for the secondary teaching minor in biology

A minimum of 20 credits in biology is required for the secondary teaching minor in biology. BIO 1000, BIO 1002, BIO 1004, BIO 2006 and BIO 3000 may not be counted toward this requirement.

#### 1. Required courses

BIO 1200 - Biology I (4)

BIO 1300 - Biology II (4)

BIO 1201 - Biology Laboratory (1)

#### 2. One course each from the following categories

##### a. Molecular/cellular biology

BIO 3210 - Biology of the Cell (4)

BIO 3230 - Fundamentals of Biochemistry (4)

BIO 3620 - Medical Physiology (4)

BIO 3130 - Developmental Biology (4)

BIO 3232 - Biochemistry I (4)

BIO 3400 - Genetics (4)

BIO 3220 - Neurobiology (4)

##### b. Organismic biology

BIO 2100 - Human Anatomy (4)

BIO 2600 - Human Physiology (4)

BIO 2640 - Comparative Physiology (4)

BIO 2650 - Plant Physiology (4)

BIO 3310 - Dendrology (4)

BIO 3312 - Field Botany (4)

BIO 3334 - Botany (4)

BIO 3350 - Animal Behavior (4)

BIO 3500 - General Microbiology (4)

##### c. Evolutionary/ecological biology

BIO 3330 - Ecology (5)

BIO 3332 - Field Biology (4)

BIO 3320 - Vertebrate Zoology (5)

BIO 3340 - Evolutionary Biology (4)

#### 3. Required course

SED 4100 - ST: Teaching Secondary in the Minor Methods (4)

## Additional information

Non-science majors must complete an additional four credits in chemistry for a total of 24 credits for this minor. Students are also expected to have pre-calculus mathematics.

Generally, application to OU STEP requires a minimum cumulative grade point average of 3.0 in courses in the major and the minor. To progress into the internship year, students admitted to the OU STEP must maintain a minimum GPA of 3.00 in both their major and minor coursework, with no single course grade below C.

Post-baccalaureate candidates completing the minor may be required to take additional courses at Oakland University beyond the stated minimums. Students must consult with the departmental adviser.

## Biology Minor

Requirements for the liberal arts minor in biology

Students in other departments who wish to minor in biology must take a minimum of 20 credits in biology, including the following courses. Students majoring in other life science areas should read the restrictions on dual use of courses to satisfy both major and minor requirements.

BIO 1000, BIO 1002, BIO 1004, BIO 2006 and BIO 3000 do not count toward the biology minor.

### 1. Required courses

BIO 1200 - Biology I (4)

BIO 1300 - Biology II (4)

BIO 1201 - Biology Laboratory (1)

### 3. At least 8 credits in BIO courses numbered 3001 or higher

## Courses

BIO 1000 - Foundations of Modern Biology (4)

Principles of biochemistry, energy transformation, metabolism, cell division, and heredity. Emphasizing problem-solving skills and the background necessary for success in more advanced biology courses. Especially suited for students majoring in science or allied health programs needing additional preparation prior to BIO 1200. Not for major or minor credit in biology.

BIO 1002 - Human Biology (4)

Introduction to human biology with emphasis on human anatomy and physiology. Topics include cell biology, skeletal, muscular, digestive, cardiovascular, neural, hormonal and reproductive systems. Offered fall and winter semesters. Course does not count toward biology majors or minors. Satisfies the university general education requirement in the natural science and technology knowledge exploration area.

BIO 1004 - Life on Earth (4)

A survey course on the history of nature. The evolutionary emergence of plant and animal life from unicellular to multicellular organisms and eventually to humans is presented through lectures, text readings and films. Offered

fall and winter semesters. Course does not count toward biology majors or minors. Satisfies the university general education requirement in the natural science and technology knowledge exploration area.

**BIO 1200 - Biology I (4)**

Introduction to cellular and molecular biology, enzymology, metabolism, genetics, cell division. One year of high school chemistry is strongly recommended. Satisfies the university general education requirement in the natural science and technology knowledge exploration area.

**BIO 1201 - Biology Laboratory (1)**

Laboratory and field experience emphasizing scientific method, scientific writing, Mendelian genetics, vertebrate anatomy and animal and plant diversity. Offered fall and winter semester.

Pre/Corequisite(s): BIO 1200 or BIO 1300 with a grade of (C) or higher.

**BIO 1300 - Biology II (4)**

Introduction to evolution, biological diversity, and ecology. Covers (1) micro- and macroevolution including the origin and history of life; (2) biological diversity of microorganism, fungus, plant, and animal phyla including taxonomy, structure, and function; and (3) behavior, ecology, and conservation biology. Satisfies the university general education requirement in the natural science and technology knowledge exploration area.

Prerequisite(s): BIO 1200 recommended.

**BIO 2006 - Clinical Anatomy and Physiology (5)**

Basic human anatomy and physiology with clinical emphasis, specifically for pre-nursing students. Lectures are closely tied to laboratory activities. Computer simulations of cadaver dissections are used to teach and test anatomy. Course does not count toward biology majors or minors.

Prerequisite(s): BIO 1200 with a grade of (C) or higher.

**BIO 2100 - Human Anatomy (4)**

The integration of organs into systems and systems into the organism. Selected aspects of developmental, comparative and microanatomy also will be discussed. Relevant to students in health sciences, biological science and liberal arts studies. Offered fall and winter semesters.

Prerequisite(s): BIO 1200 with a grade of (C) or higher.

**BIO 2101 - Human Anatomy Laboratory (1)**

Identification of the musculoskeletal system as well as other major organ systems using human cadavers. This course does not fulfill the laboratory experience requirements.

Pre/Corequisite(s): BIO 2100 with a grade of (C) or higher.

**BIO 2600 - Human Physiology (4)**

Detailed study of general physiological principles and mechanisms with emphasis on systemic physiology. Normal physiology of individual organ systems will be explored, with stress on the role each plays in the human homeostatic balance. Offered fall and winter semesters.

Prerequisite(s): BIO 1200 with a grade of (C) or higher.

**BIO 2640 - Comparative Physiology (4)**

The physiology of organ systems in various animal groups. Examination and comparison of evolutionarily conserved and diversified components.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher.

#### BIO 2650 - Plant Physiology (4)

Physiological processes that occur during the growth and development of plants, focusing on water relations, transport, mineral nutrition, regulation of photosynthesis and respiration, seed germination, and plant growth in response to hormones and environmental conditions.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher.

#### BIO 3000 - Biology and Society (4)

The major concepts of modern biology that would serve as a foundation for the well-educated nonscientist, including evolutionary biology, molecular and cellular biology, genetic and medical interventions, the biological bases of behavior and social organization, and the effects of biological and chemical pollutants. Course does not count toward the biology major or minor. Satisfies the university general education requirement in the natural science and technology knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education or in the major, not both.

Prerequisite(s): for writing intensive: completion of the university writing foundation requirement.

#### BIO 3130 - Developmental Biology (4)

An examination of mechanisms regulating the development of various organisms. Emphasis on the cellular and molecular controls that govern gametogenesis, fertilization, tissue formation, cellular interactions and gene activity. Offered alternate winter semesters.

Prerequisite(s): BIO 3210 or BIO 3400 with a grade of (C) or higher.

#### BIO 3140 - Histology (4)

Structural organization of vertebrate tissues and organs in relation to cell and tissue functions.

Prerequisite(s): BIO 1200 with a grade of (C) or higher. BIO 3141 strongly recommended.

#### BIO 3141 - Histology Laboratory (1)

Microscopic examination and identification of vertebrate tissues and organs.

Pre/Corequisite(s): BIO 3140 with a grade of (C) or higher.

#### BIO 3142 - Bioengineering Organs and Tissues (4)

Theoretical design of prosthesis, implants, and organs. Basic principles of engineering and materials sciences will be applied to histology and anatomy of the human body.

Prerequisite(s): BIO 1200 and BIO 1201, each with a grade of (C) or higher.

#### BIO 3210 - Biology of the Cell (4)

Introduction to the biology of the cell. Includes structure and function of cell organelles and physiological processes at the cellular and molecular levels.

Prerequisite(s): BIO 1200; BIO 1300 or BIO 2600; CHM 1440 and CHM 1470 each with a grade of (C) or higher.

#### BIO 3211 - Biology of the Cell Laboratory (1)

Laboratory experience in cellular biology.

Pre/Corequisite(s): BIO 3210 with a grade of (C) or higher.

**BIO 3220 - Neurobiology (4)**

Properties of individual nerve cells and small groups of nerve cells involved in information processing. Emphasis is placed on the cellular and molecular basis of excitability and synaptic transmission, membrane receptor systems and signaling, neuronal plasticity, and sensory and motor functions in relation to neurological disorders. Offered fall semester of alternate years.

Prerequisite(s): BIO 1200; BIO 2600 or BIO 2640; and CHM 1450 and CHM 1480; each with a grade of (C) or higher.

**BIO 3230 - Fundamentals of Biochemistry (4)**

Structure, assembly, and function of biomolecules and subcellular components; enzyme catalysis and regulation; generation of metabolic energy; electron transport and photosynthesis, metabolism of carbohydrates, amino acids and proteins, lipids, and nucleic acids; nutrition and health implications.

Prerequisite(s): BIO 1200 and CHM 2010 or CHM 2340, each with a grade of (C) or higher.

**BIO 3232 - Biochemistry I (4)**

Science-intensive study of the structure, function, and isolation of biomolecules and subcellular components; enzyme catalysis and regulation; principles of metabolism, generation of metabolic energy by glycolysis, Krebs' cycle and oxidative phosphorylation; and molecular approaches in biological research.

Prerequisite(s): BIO 1200 and CHM 2340, each with a grade of (C) or higher.

**BIO 3233 - Biochemistry I Laboratory (1)**

Cellular extraction and purification of enzymes and enzymes kinetics. Analytical and quantitative methods for characterization of protein structure and activity.

Prerequisite(s): BIO 1201 with a grade of (C) or higher.

Pre/Corequisite(s): BIO 3232 (if prerequisite, with a grade of (C) or higher).

**BIO 3310 - Dendrology (4)**

The study of trees and shrubs; their identification, biology and ecology and the importance of woody plants to people. Includes laboratory experience. Offered in alternate fall semesters.

Prerequisite(s): BIO 1200, BIO 1300, BIO 1201, each with a grade of (C) or higher.

**BIO 3312 - Field Botany (4)**

Local flora course in identifying vascular plants occurring naturally in Michigan. Emphasis is on flowering plants, although ferns and coniferous species are also treated. Includes field trips to representative natural areas in southeast Michigan. Offered summer semester, first session. Fulfills the laboratory experience requirement.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher.

**BIO 3320 - Vertebrate Zoology (5)**

Introduction to evolution, biology and classification of vertebrates, including fish, amphibians, reptiles, birds and mammals. Emphasis on a comparative approach to examining the anatomy, physiology, evolution, ecology, behavior, and life history aspects of vertebrates. Lecture focuses on a comparative analysis of all vertebrate groups, lab exercises separately treat the major groups. Fulfills the laboratory experience requirement.

Prerequisite(s): BIO 1200, BIO 1300, BIO 1201, each with a grade of (C) or higher.

**BIO 3322 - Marine Biology (4)**

Overview of the ocean environment with emphasis on marine organisms. Marine communities and adaptations from the intertidal zone to the abyssal plains will be presented.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher.

#### BIO 3323 - Marine Biology Laboratory (1)

Hands-on exploration into the form, function, and biodiversity of marine life, including both live and preserved specimens. Students will identify marine species and study anatomical, physiological, and behavioral adaptations of marine life through guided and inquiry-based activities. Includes introduction to salt-water aquarium systems.

Prerequisite(s): BIO 1201 with a grade of (C) or higher.

Pre/Corequisite(s): BIO 3322 (if prerequisite, with a grade of [C] or higher).

#### BIO 3330 - Ecology (5)

Basic ecological concepts, energy and materials flow, growth and regulation of populations, community interactions, chemical ecology and environmental biology. Includes laboratory experience and fulfills the laboratory experience requirement. Offered fall semester.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher.

#### BIO 3332 - Field Biology (4)

Ecological and taxonomic study of the fauna of southeastern Michigan. Aims include competence in use of illustrated handbooks and keys, and skills in collecting, preserving and identifying. Offered summer semester both first and second sessions. Fulfills the laboratory experience requirement.

Prerequisite(s): BIO 1200, BIO 1300, and BIO 1201, each with a grade of (C) or higher.

#### BIO 3333 - Tropical Field Ecology (3)

Field-based introduction to tropical ecology with an emphasis on experiencing different types of terrestrial and aquatic ecosystems. BIO 3330 recommended.

Prerequisite(s): BIO 1300 with a grade of C or higher and permission of the instructor.

#### BIO 3334 - Botany (4)

Plant biology including topics on gross and microscopic structure, physiological processes, reproduction and development. Diversity within the plant kingdom and evolutionary history are also discussed.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher.

#### BIO 3340 - Evolutionary Biology (4)

Exploration of the processes of evolution and their past and current influence on organisms of today. Topics include origin of variability, natural selection, differentiation of populations, speciation, phylogenetic concepts, evolutionary ecology and sociobiology. BIO 3400 recommended.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher.

#### BIO 3343 - Earth and Life Coevolution (2)

Field experience on the coevolution of life and Earth over long geological time scales (astrobiology). Students will observe, discuss, and analyze the geological record of planetary-scale glacial-interglacial events in relation to evolutionary innovations in life, climate change, microbial ecosystems, and biogeochemical cycles.

Prerequisite(s): BIO 1300 or CHM 1440 or PHY 1060 or ENV 3090 with a grade of "C" or higher

#### BIO 3350 - Animal Behavior (4)

The genetics, physiology, ecology and evolution of animal behavior. Emphasis is on social behavior, especially the behavior of social insects. Offered fall semester.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher.

#### BIO 3351 - Animal Behavior Laboratory (1)

Introduction to the study of animal behavior in the field and in the laboratory. Topics will include experimental design, data analysis, and writing in the scientific format.

Prerequisite(s): BIO 1201 with a grade of (C) or higher.

Pre/Corequisite(s): BIO 3350 (if prerequisite, with a grade of [C] or higher).

#### BIO 3360 - Organic Farming (4)

Fundamental theory and practices integral to organic farming on a small scale. Integrates problem-solving ecology, botany, entomology, microbiology, chemistry, and more. Field sites include OU Campus Student Organic Farm, community gardens, and field trips to working organic farms. Offered annually in full summer semester.

Prerequisite(s): BIO 1002, BIO 1004, BIO 1200, BIO 1300, or BIO 3000 with a grade of (C) or higher, or permission of instructor.

Corequisite(s): BIO 3361 recommended.

#### BIO 3361 - Applied Organic Farming (1)

Laboratory and field studies of organic farming theory and applied practices. Field sites include OU Student Organic Farm and certain community gardens, depending on the season. May be taken three times, with each registration being in a different semester (summer, fall, winter). BIO 3361 counts as one laboratory course for the major.

Prerequisite(s): BIO 1002, BIO 1004, BIO 1200, BIO 1300, or BIO 3000 with a grade of (C) or higher, or permission of instructor.

#### BIO 3362 - Permaculture (4)

Sustainable landscape planning based on natural and indigenous systems for food/fiber/fuel production that can be applied to home gardens and entire communities. Interdisciplinary hands-on problem-solving and design in field studies on campus. Course includes field trips and service-learning/community engagement.

Prerequisite(s): BIO 1002, BIO 1200, or BIO 1300, with a grade of (C) or higher or permission of instructor.

#### BIO 3363 - Permaculture Laboratory (1 OR 2)

Independent project design or field study to accompany or follow BIO 3362. May be taken any semester.

Pre/Corequisite(s): BIO 3362 with a grade of (C) or higher and permission of instructor.

#### BIO 3400 - Genetics (4)

Fundamentals of classical and molecular genetics. Selected topics in human genetics, microbial genetics, biochemical genetics, molecular biology, cytogenetics and genomics. Offered fall and winter semesters.

Prerequisite(s): BIO 1200 with a grade of (C) or higher.

#### BIO 3401 - Genetics Laboratory (1)

Laboratory experience in genetics, including elementary experiments in Mendelian genetics and molecular genetics. Principles of hypothesis testing and data analysis.

Prerequisite(s): BIO 1200 and BIO 1201, each with a grade of (C) or higher.

Pre/Corequisite(s): BIO 3400 (if prerequisite, with a grade of (C) or higher).

**BIO 3500 - General Microbiology (4)**

Concepts include microbial metabolism and physiology, genetics and genomics, diversity and evolution, growth control and aseptic techniques, host-parasite relationships, and survey of human bacterial and viral pathogens. Emerging techniques and applications in molecular biology and genetic engineering will also be considered as they relate to microbiology. Not open to students who have taken BIO 3520. Offered fall and winter semesters.

Prerequisite(s): BIO 1200 and CHM 2340, each with a grade of (C) or higher.

**BIO 3501 - General Microbiology Laboratory (1)**

Introduction to techniques used for growing, isolating, and handling microbes, as well as a survey of traditional and molecular approaches to microbe identification and analysis. (If prerequisite, with a grade of (C) or higher)

Pre/Corequisite(s): BIO 3500 or BIO 3520

**BIO 3520 - Introduction to Human Microbiology (4)**

Introduction to the biology of microorganisms emphasizing the infectious diseases they cause and their control. Bacterial, mycotic, protozoan and viral infections; immunology; epidemiology; pathogenic mechanisms; chemotherapy; microbial genetics; microbial growth; and microbial physiology. Required of students in the nursing program. Not open to students who have taken BIO 3500.

Prerequisite(s): BIO 1200 with a grade of (C) or higher.

**BIO 3521 - Human Microbiology Laboratory (1)**

Introduction to techniques used for growing, isolating, and handling microbes. A microscopic examination and identification of prokaryotic and eukaryotic organisms including pathogens. Course restricted to biomedical sciences majors.

Pre/Corequisite(s): BIO 3520 (if prerequisite, with a grade of (C) or higher)

**BIO 3620 - Medical Physiology (4)**

Detailed study of physiological principles and the functioning of the various organ systems. Establishes a foundation for describing the mechanisms of action underlying human health and disease.

Prerequisite(s): BIO 3230 or BIO 3232, or BCM 4254, or CHM 4254, with a grade of (C) or higher.

**BIO 3621 - Physiology Laboratory (1)**

Laboratory exercises illustrating the principles of human physiology through experimental measurements and computer simulations.

Pre/Corequisite(s): BIO 2600, BIO 2640, or BIO 3620 with a grade of (C) or higher.

**BIO 3660 - Principles of Pharmacology (4)**

Introduction to the general principles of pharmacology. Includes principles of drug action, drug metabolism, and a review of major classes of pharmaceuticals.

Prerequisite(s): BIO 2600 or BIO 2640 or BIO 3620; and BIO 3232 or BCM 4254 or CHM 4254, each with a grade of (C) or higher.

**BIO 3662 - Neuropharmacology (4)**

Examination of drugs that affect nervous tissue. Includes basic principles and fundamentals of pharmacological actions on neurons and their synapses in relation to autonomic function, control of movement, mood and emotion, addictive disorders, higher cognitive function and psychosis, sleep arousal, pain, memory, dementias, and



seizures and stroke.

Prerequisite(s): BIO 2600 or BIO 3360, and CHM 2340; and BCM 4254 or CHM 4254 with a grade of (C) or higher.

#### BIO 3920 - Directed Readings in Biology (1 TO 4)

Term paper based on library research of a current research-oriented biological topic. May be taken more than once. Satisfies the university general education requirement for a writing intensive course in the major when taken for 3 or 4 credits. Prerequisite for writing requirement: completion of the university writing foundation requirement.

Prerequisite(s): written agreement with a biology faculty supervisor.

#### BIO 3930 - Occupational Experience in Biology (2 TO 4)

Occupational experience in biology with faculty supervision that incorporates student performance in a professional setting. May not be repeated for credit.

Prerequisite(s): junior/senior standing. 16 credits in biology of which 8 must be at the 3000-4000 level and permission of instructor.

#### BIO 4100 - Advanced Visceral Human Anatomy (4)

Advanced study of the human body systems with emphasis on the thorax, abdomen and pelvic regions, including organ structure, blood supply, innervation and lymphatics. Clinical correlations and applications using human cadavers.

Prerequisite(s): BIO 2100 with a grade of (C) or higher or permission of instructor.

#### BIO 4111 - Advanced Regional Dissection (2)

Active full body regional dissection under the Socratic tradition. Multiple systems will be explored and discussed with regard to relationships, form, function, and disease. Students will perform regional dissections in teams under rotating peer leadership and one individual dissection of each student's choice will be graded and demonstrated to peers.

Prerequisite(s): BIO 2100 with a grade of (C) or higher.

#### BIO 4112 - Advanced Musculoskeletal Human Anatomy (4)

Advanced study of the human body systems with emphasis on the musculoskeletal system including the back, upper limb and lower limb osteology, musculature, blood supply, innervation, and connective tissue structures using human cadaver dissections.

Prerequisite(s): BIO 2100 with a grade of (C) or higher or permission of instructor.

#### BIO 4120 - Neuroanatomy (4)

Exploration of central and peripheral nervous systems with associated structures with respect to their morphology, relationships, development, and function. Pathways within the brain and spinal cord and the integration of these functions in motor, sensory and autonomic activity. Investigation of certain lesions and their clinical significance via hands-on interactive activities and lectures.

Prerequisite(s): BIO 2100 with a grade of (C) or higher or permission of instructor.

#### BIO 4121 - Neuroanatomy Laboratory (1)

Laboratory experience in neuroanatomy. Identification of basic neuroanatomical structures of the human.

Corequisite(s): BIO 4120 with a grade of (C) or higher.

**BIO 4210 - Molecular Biology (4)**

Basic molecular biology of viruses, prokaryotes, and eukaryotes with emphasis on cloning, expression and regulation of genes, applications of recombinant DNA, cancer, and genetic diseases/disorders.

Prerequisite(s): BIO 3400 and either BIO 3232 or CHM 4254 or BCM 4254, each with a grade of (C) or higher.

**BIO 4211 - Molecular Biology Laboratory (1)**

Basic techniques in molecular biology: isolation and characterization of DNA and RNA, cloning, restriction analysis, nucleic acid hybridization and recombinant DNA techniques.

Pre/Corequisite(s): BIO 4210 (if prerequisite, with a grade of (C) or higher).

**BIO 4220 - Cell Biology of Cancer (4)**

Introduction to cancer from signal transduction pathways that regulate cell proliferation, apoptosis, adhesion and migration. Offered winter semester.

Prerequisite(s): BIO 3210 with a grade of (C) or higher.

**BIO 4222 - Stem Cell Biology (4)**

Comprehensive overview of stem cells and their potential in biomedical research and applications. Aspects of basic, applied biology and medicine including development and differentiation, cancer, regeneration/repair, cell therapy, and drug development. Provides a broad background and the opportunity to apply critical thinking skills to recent advances in stem cell biology.

Prerequisite(s): BIO 1200 with a grade of (C) or higher, and junior standing or permission of instructor.

**BIO 4224 - Science of Vision (4)**

In-depth study of the tissues of the eye. Topics include visual transduction, light and dark adaptation, color vision, lens physiology and cataract, cornea, glaucoma, inherited retinal diseases, diabetic retinopathy, physiological optics, and regulation of gene expression in ocular development.

Prerequisite(s): BIO 2600 or BIO 3620 or BIO 3220 with a grade of (C) or higher.

**BIO 4226 - Immunology (4)**

Human immune response. Emphasis on components of the immune system, antibody structure and function, antigen processing and presentation, T cell responses, immune response to infectious diseases, and disorders of the immune system.

Prerequisite(s): BIO 3400 or BIO 3232 or CHM 4254 or BCM 4254 with a grade of (C) or higher.

**BIO 4230 - Cellular Biochemistry (4)**

Advanced discussion of cellular control mechanisms emphasizing recent developments in the biochemistry of proteins and nucleic acids. Offered fall semester.

Prerequisite(s): BIO 3232 or CHM 4254 or BCM 4254 with a grade of (C) or higher.

**BIO 4232 - Biochemistry II (4)**

A continuation of BIO 3232 using the same textbook. Topics include photosynthesis, metabolism of lipids and nitrogen-containing compounds, biochemical mechanisms of hormone action, integration and control of cell metabolism, biochemistry of nucleic acids, and mechanisms of gene transcription and protein synthesis.

Prerequisite(s): BIO 3232 or CHM 4254 or BCM 4254 with a grade of (C) or higher.

**BIO 4234 - Biochemistry of Metabolism and Disease (4)**

Biochemistry of the metabolic processes and interrelations existing in healthy and disease states in human systems. Covers both metabolic disorders as well as insights to clinical biochemistry related to cancer, myocardial infarction, atherosclerosis and other diseases. Course restricted to biomedical science majors.

Prerequisite(s): BIO 2600 or BIO 3620; BIO 3232, CHM 4254 or BCM 4254 each with a grade of (C) or higher.

#### BIO 4320 - Medical Parasitology (4)

Medically important protozoan, helminth, and arthropod parasites, including their morphology, biology, pathogenesis, clinical manifestations, immunology, epidemiology, and control.

Prerequisite(s): BIO 1200 and BIO 1300, each with a grade of (C) or higher, and Junior standing or permission of the instructor.

Corequisite(s): BIO 4321

#### BIO 4321 - Medical Parasitology Laboratory (1)

Study of medically important protozoan, helminth, and arthropod parasites, including their morphology, biology, pathogenesis, clinical manifestations, immunology, epidemiology, and control. Laboratory activities include methods for identification of medically important parasites. To be taken with BIO 4320.

Prerequisite(s): BIO 1200, BIO 1300, and BIO 1201, each with a grade of (C) or higher.

Corequisite(s): BIO 4320

#### BIO 4330 - Ecology of Streams and Rivers (4)

Introduction to the ecology of streams and rivers. Topics include river restoration, nutrient cycling, stream food webs, fluvial geomorphology, watershed hydrology, invasive aquatic and riparian species, and riparian ecology. BIO 3330 recommended.

Prerequisite(s): BIO 1300 with a grade of (C) or higher, and Junior standing or permission of the instructor.

#### BIO 4334 - Topics in Physiological Ecology (4)

Physiological responses of organisms to their environment including plant/herbivore interactions, adaptations of desert animals, allopathy, energy cost of animal activities, and communication on an organismal level. Offered alternate winter semesters.

Prerequisite(s): BIO 2600 or BIO 2640 or BIO 2650 or BIO 3620; and BIO 3330, each with a grade of (C) or higher.

#### BIO 4336 - Topics in Community and Population Biology (4)

Analytic and synthetic approaches to the biology of populations and communities utilizing both plant and animal studies. Topics will include population growth and regulation, competition, predator prey interactions, community structure and species diversity. Offered alternate fall semesters.

Prerequisite(s): BIO 3330 or BIO 3340 with a grade of (C) or higher.

#### BIO 4338 - Food Systems Biology (4)

The biology of the food system is followed "from seed to plate" with regard to its impact on ecology and human physiology and pathology. Includes conventional lectures, readings, discussions, student research, projects and presentations, field work and service-learning/community engagement.

Prerequisite(s): BIO 1200 with a grade of (C) or higher and junior/senior standing.

#### BIO 4340 - Principles of Evolutionary Medicine (4)

Introduction to the principles of evolutionary biology and their application to understanding human disease and medically relevant topics including the development of antibiotic resistance in pathogenic bacteria and an

understanding of how viral evolution impacts vaccine production. Course restricted to biomedical sciences majors.  
Prerequisite(s): BIO 1200 and BIO 3400 or BIO 4402, each with a grade of (C) or higher.

#### BIO 4342 - Topics in Evolutionary Biology (4)

Advanced topics in evolutionary biology, including evolutionary patterns, the nature of selection, adaptation, macroevolution, the application of molecular biology to evolution and philosophical issues of evolution. Offered alternate fall semesters.

Prerequisite(s): BIO 3340 or BIO 4340 with a grade of (C) or higher, or permission of the instructor.

#### BIO 4350 - Topics in Behavioral Biology (4)

The ecology, evolution, genetics and physiology of behavior, especially social behavior. Topics will include kin recognition, mate choice, dominance hierarchies and the mechanisms by which societies are organized. Offered alternate winter semesters.

Prerequisite(s): BIO 3350 with a grade of (C) or higher.

#### BIO 4380 - Ecological Problem Solving (4)

Quantitative analysis of ecological systems including population dynamics, species interactions, biodiversity, and energy flow through ecosystems. Students will work collaboratively to test ecological hypotheses, simulate ecological dynamics, and find solutions to ecological problems. Offered in the winter semester. MTH 1554 recommended.

Prerequisite(s): BIO 1300; MTH 1221 or MTH 1441 or (MTH 1331 and MTH 1332); each with a grade of (C) or higher; junior standing or permission of the instructor.

#### BIO 4381 - Ecological Problem Solving Lab (1)

Practical introduction to ecological experimentation including the quantitative analysis of ecological data. Students will work in collaborative groups to design, execute, and analyze ecological experiments including simulations of ecological processes. To be taken with BIO 4380.

Prerequisite(s): BIO 1201

Corequisite(s): BIO 4380

#### BIO 4400 - Advanced Genetics (4)

A continuation of BIO 3400. Topics include methods of gene discovery through analysis of genetic variation, genetics of complex traits (in which multiple genes and environment interact), non-classical modes of inheritance, and applied topics such as the use of genetics in medicine and forensics.

Prerequisite(s): BIO 3400 with a grade of (C) or higher and either STA 2220, STA 2222, or STA 2226

#### BIO 4402 - Human Genetics (4)

Introduction to classical and molecular inheritance, genetic processes of humans with particular emphasis on human genetic diseases. Topics include gene mapping, genetic diseases, molecular screening. Course restricted to biomedical sciences majors.

Prerequisite(s): BIO 2600 or BIO 3620 with a grade of (C) or higher.

#### BIO 4412 - Functional Genomics and Bioinformatics (4)

Use and implementation of computer software for sequence analysis of nucleic acids and proteins. Emphasis on gene discovery, annotation, building phylogenetic histories, and state-of-the-art strategies used for gene

expression analysis of an organism from a genome-wide perspective.

Prerequisite(s): BIO 1200 and junior/senior standing

BIO 4413 - Functional Genomics and Bioinformatics Laboratory (1)

Explores molecular biology, genomics and bioinformatics techniques useful in study of genomes and proteomes.

Pre/Corequisite(s): BIO 4412 (if prerequisite, with a grade of (C) or higher)

BIO 4510 - Virology (4)

Fundamentals of virology including classification of bacteriophages, plant and animal viruses, viral multiplication, and pathogenesis.

Prerequisite(s): BIO 3210 or BIO 3500, or BIO 3232 or CHM 4254 or BCM 4254 with a grade of (C) or higher

BIO 4530 - Medical Microbiology (4)

Bacterial and viral human pathogens, emphasizing their etiology, physiology, pathogenesis, epidemiology, control and diagnosis.

Prerequisite(s): BIO 3232 or CHM 4254 or BCM 4254 with a grade of (C) or higher.

BIO 4550 - Microbial Biotechnology (4)

Microbial genetics, emphasizing the basic aspects of bacteriophage and plasmid genetics applied to biotechnology.

Prerequisite(s): BIO 3400 or BIO 3500 with a grade of (C) or higher.

BIO 4610 - Advanced Topics in Cell Physiology (4)

Discussion and lecture course offered by faculty members with research interests in cell physiology. Topics to be announced. BIO 2600 or BIO 2640 recommended.

Prerequisite(s): BIO 3210 with a grade of (C) or higher.

BIO 4620 - Advanced Human Physiology (4)

Lectures and discussion emphasizing the experimental basis and current techniques for the study of human systems. Topics include: neuromuscular, cardiovascular, respiratory, and renal physiology.

Prerequisite(s): BIO 2600 or BIO 3620 with a grade of (C) or higher

BIO 4622 - Endocrinology (4)

Endocrine systems, mechanisms of hormone action, interactions among hormones, the roles of hormones in growth, differentiation, and reproduction; tumor suppressor genes and oncogenes. Emphasis will be placed on human endocrine disorders and their clinical significance.

Prerequisite(s): BIO 2600 or BIO 3620 with a grade of (C) or higher.

BIO 4629 - Scientific Inquiry (1)

Integrative laboratory based experience focused on a single medically relevant topic. Exercises will range from basic cell/biochemical to virtual simulations of physiological processes to data mining of available biomedical databases through societal impacts. Course restricted to biomedical sciences majors.

Prerequisite(s): Senior standing

BIO 4660 - Integrative Pharmacology (4)

Introduction to human pharmacology with emphasis on an integrative approach to encompass clinical application, physiological functions, pharmacological principles, biochemistry of actions. Offered fall semester. Course

restricted to biomedical science majors.

Prerequisite(s): BIO 2600 or BIO 3620, and BIO 3232 or CHM 4254 or BCM 4254, each with a grade of (C) or higher.

#### BIO 4900 - Selected Topics in Biology (1 TO 5)

Advanced topics in a specialized area of biological sciences. The topics and prerequisites may vary. May be repeated for additional credit.

#### BIO 4930 - Introduction to Human Subjects Research I (4)

Structured research learning experience for pre-medical students; basic concepts, topics of clinical research, and structure of clinical research; clinical epidemiology, evidence-based medicine, data analysis, relevant medical pathophysiology, diagnostics and therapeutics.

Prerequisite(s): Sophomore standing

#### BIO 4932 - Introduction to Human Subjects Research II (1 TO 4)

Structured research learning experience for pre-medical students, advanced concepts, topics of clinical research, and structure for clinical research; clinical epidemiology, evidence-based medicine, data analysis, relevant medical pathophysiology, diagnostics and therapeutics. Fulfills the laboratory experience requirement.

Prerequisite(s): BIO 4930

#### BIO 4970 - Scientific Inquiry and Communication (4)

Synthesis of several sub disciplines in biological sciences using technical reports, articles in the popular press and on the Internet. Integration of life sciences with history, fine arts, other cultures, social and ethical issues addressed through a variety of methods of inquiry with emphasis on communication skills and critical thinking. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): senior standing.

#### BIO 4972 - Integrative Biomedicine and Disease (4)

Investigation of clinically relevant diseases using an integration of biological sub disciplines. Technical reports, journal articles, and articles in the popular press, historical records, and internet resources will be used to investigate treatment of pathological conditions, cultural effects of diseases, historical impacts and ethics of managing different diseases. Oral and written communication and critical thinking skills will be emphasized. Course restricted to biomedical sciences majors. Offered winter semester. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major.

Prerequisite(s): completion of the university writing foundation requirement. BIO 4660 with a grade of (C) or higher.

#### BIO 4995 - Independent Research (1 TO 4)

Directed undergraduate research in laboratory, field or theoretical biology. Should be initiated before or during the junior year. May be taken for a numeric grade (research paper required) by written arrangement with a biology faculty supervisor for a maximum of 4 credits. May be taken for an S/U grade (no paper required) by written arrangement with a biology supervisor for a maximum of 8 credits. BIO 4995 counts as one laboratory course for the major.

Prerequisite(s): written agreement with a biology faculty supervisor.

BIO 4997 - Apprentice College Teaching (2)

Assisting in presenting a course, usually a laboratory course, to undergraduates. May be taken more than once.

Cannot be counted as a biology laboratory course.

Prerequisite(s): written agreement with a biology faculty supervisor.

## Department of Chemistry

260 Mathematics and Science Center

(248) 370-2320

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Chairperson: Roman Dembinski

Distinguished professor emeritus: Paul Tombouliau

Professors emeriti: Gottfried Brieger, Arthur W. Bull, Denis M. Callewaert, Dagmar Cronn, Steven R. Miller, Kathleen H. Moore, Joel W. Russell, R. Craig Taylor

Distinguished professors: Michael D. Sevilla, Maria Szczesniak Bryant, Xiangqun Zeng

Professors: Sitaramayya Ari, Ferman Chavez, Roman Dembinski, John V. Seeley

Associate professors: Linda Schweitzer, David Szlag

Assistant professors: Adam Avery, Ngong Kodiah Beyeh, Evan Trivedi, Colin Wu, Ziming Yang

Adjunct professors: David Becker, Grzegorz Chalasinski, Anna C. Ettinger, Om Goel, Andrew M. Mance, Gholam-Abbas Nazri, Nessian Kerrigan, D. David Newlin, Joseph R. Stetter

Adjunct associate professors: Klaus Friedrich, James S. Dusenbury, Stacy K. Seeley

Adjunct assistant professors: Janet Bennett, Gerald G. Compton, Naomi Eliezer, Jessica V. Koppen, Jennifer Tillinger

Lecturers: Marcella Colling, Charlene Hayden, Douglas Herzog, Gaylon Jolley, Kenneth Kirshenbaum, James Leidel, Abul Molla, Hari Prasad, Mark Richardson, Wendy Wilson

Chief adviser: Jennifer Tillinger

Oakland University's chemistry programs offer students the laboratories and equipment typically found at larger universities while retaining strong emphasis on the undergraduate education and informal student-faculty relations characteristic of smaller liberal arts colleges. Additionally, research opportunities are available to qualified undergraduates.

The Department of Chemistry provides highly professional chemistry programs, as well as the liberal arts dedication to developing the highest intellectual and creative potential of its students. The department offers programs of study leading to Bachelor of Arts, Bachelor of Science and Master of Science degrees in chemistry and a Doctor of Philosophy degree in biomedical sciences with specialization in health and environmental chemistry.

High school students intending to major in chemistry should refer to the Admissions section of the catalog for specific preparation requirements.

### **Planning a Program in Chemistry**

Curricula leading to a major in chemistry are quite structured, since knowledge is developed cumulatively in a four-year sequence. This leads to a fairly prescribed order of course presentation with a number of specific course requirements. Students interested in pursuing a program of study in chemistry should consult with a departmental adviser and file a program plan as early as possible in their college career.

### **Admission to Major Standing**

To be eligible for a degree in chemistry, admission to major standing by the department is required at least three semesters before graduation. Students must consult with the chemistry department chief adviser to develop a curriculum plan prior to the term in which they first take a 3000-4000 level chemistry course. This procedure is designed to ensure that an appropriate plan of study is completed by graduation.

Application for major standing in chemistry is recommended as early as possible, preferably prior to completion of CHM 1440/1470, CHM 1450/1480, CHM 2200, CHM 2340-CHM 2350, CHM 2370, PHY 1510/1100 and MTH 1554. A grade point average of 2.00 or better is required for the courses listed.

Coursework more than 10 years old is subject to reevaluation by the department. An examination may be required to demonstrate proficiency in areas covered by such courses.

### **American Chemical Society Certification**

The Department of Chemistry's faculty members, facilities and curriculum meet the criteria of the American Chemical Society. This allows the department to certify chemistry students as eligible for



society membership. Certification is granted to students who have successfully completed the requirements for the Bachelor of Science degree with a major in chemistry.

### **Research**

The Department of Chemistry offers exceptional opportunities year-round for interested and qualified students to participate in faculty research. Course credit for research may be earned in CHM 2995, CHM 4995, and CHM 4996. In addition, employment opportunities or fellowships are often available. Such research experience is of particular value to students preparing for graduate study or industrial employment.

Students should feel free to discuss research opportunities with members of the chemistry faculty. Specific arrangements with an individual faculty member must be made before enrollment in CHM 2995, CHM 4995, or CHM 4996.

### **Departmental Honors**

Departmental honors may be awarded to graduating seniors in chemistry who have been recommended for honors by their research advisers and have completed all required science courses with high grades.

### **Advanced Courses in Chemistry**

Students pursuing a major in chemistry, B.S. program, take 8 credits of advanced courses in areas of interest. In addition to the courses listed in this catalog, the following advanced courses are open to qualified undergraduates: CHM 5210 and 5900, Advanced Analytical Chemistry and Topics in Analytical Chemistry; CHM 5340 and 5901, Advanced Organic Chemistry and Topics in Organic Chemistry; CHM 5400, Symmetry in Chemistry; CHM 5410 and 5420, Advanced Physical Chemistry and Topics in Physical Chemistry; CHM 5530 and 5902, Advanced Biochemistry and Topics in Biochemistry; and CHM 5630 and 5903, Advanced Inorganic Chemistry and Topics in Inorganic Chemistry. See the online Oakland University Graduate course listings for course descriptions.

### **Biochemistry Program**

In cooperation with the Department of Biological Sciences, the Department of Chemistry offers a Bachelor of Science degree with a major in biochemistry. Courses used to fulfill the requirements for a major in biochemistry may not be used simultaneously to fulfill the requirements for a major or minor in chemistry.

### **Pre-Medical Studies Concentration: Medicine, Dentistry, Optometry and Veterinary Medicine**

The Bachelor of Science degree with a major in biochemistry provides students with all the requirements for a pre-medical studies concentration. The Bachelor of Science degree and the Bachelor

of Arts degree with a major in chemistry provide students with all the requirements for a pre-medical studies concentration with the exception of five courses in biology/biochemistry that must be completed. Students interested in a medical career should refer to the pre-medical studies concentration in medicine, dentistry, optometry and veterinary medicine (Other College of Arts and Sciences Academic Options) and consult with the chemistry or biochemistry adviser and with the pre-medical studies adviser.

### **Course Offerings**

The department offers selected courses from this catalog as warranted by student needs and availability of faculty. Specific offerings for each term may be found in the Schedule of Classes: [sail.oakland.edu](http://sail.oakland.edu)

The various introductory chemistry courses (CHM 1040, CHM 1430, CHM 1440/1470 and CHM 1450/1480) are for students in different majors with different levels of mathematical and physical science preparation. Students who do not place in MTH 0662 or a higher MTH course are advised to complete MTH 0661 prior to enrolling in any chemistry course. Students must consult with the chemistry department adviser or their major adviser before enrolling in CHM 1040 or CHM 1430.

CHM 1040 is designed primarily for pre-nursing students. Computer science and engineering students may enroll in CHM 1430 or CHM 1440/1470. Science majors (biology, biochemistry, chemistry, environmental health, physics) and students majoring in the health sciences should enroll in CHM 1440/1470.

CHM 1440/1470 and CHM 1450/1480 are prerequisite to all higher chemistry courses except CHM 2010 and CHM 3000. Credit will be allowed for only one course in the following series: CHM 1040, CHM 1430, CHM 1440/1470. Credit will not be allowed in major and minor programs in chemistry, biology or physics for CHM 1040, CHM 2010 and CHM 3000, except for CHM 3000, which is allowed for the STEP majors in biology and chemistry.

Schedule of classes

### **Programs**

- Chemistry - ACS Certified, B.S.
- Chemistry Minor
- Chemistry Secondary Teaching Minor
- Chemistry, B.A.
- Chemistry, STEP

#### **Chemistry - ACS Certified, B.S.**

Requirements for the Bachelor of Science degree with a major in chemistry (ACS certified)

The Bachelor of Science degree with a major in chemistry consists of the core curriculum, which includes a set of advanced courses and corequisite courses. In selecting advanced courses, students may tailor their programs to fit specific career objectives, such as industrial chemistry, biochemistry, graduate study, research, medicine or dentistry. Students should plan their programs in consultation with a faculty adviser. Advanced course programs must be approved as part of the application for major standing.

To earn a Bachelor of Science degree with a major in chemistry, a student must be approved for major standing and must complete the core curriculum, which includes eight elective credits in chemistry at the 4000 level of which at least two credits must be laboratories. The specific selection of the eight elective credits in chemistry at the 4000 level must be approved in writing by the chemistry department's chief adviser. CHM 4996 Independent Research (3 credits) or CHM 4257 - Biochemistry Laboratory (3 credits) may be included as part of the elective credits in chemistry, as these courses satisfy the laboratory requirement as well as the general education capstone requirement. CHM 4995 may not be used to satisfy the 4000 level elective credits for the major. The full degree requirements for the Bachelor of Science degree with a major in chemistry are detailed below.

#### Core curriculum

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)

CHM 2200 - Introduction to Computational Chemistry (2)

CHM 2340 - Organic Chemistry I (4)

CHM 2350 - Organic Chemistry II (4)

CHM 2370 - Organic Chemistry Laboratory (2)

CHM 3250 - Analytical Chemistry (4)

CHM 3420 - Physical Chemistry I (4)

CHM 3430 - Physical Chemistry II (4)

CHM 3480 - Physical Chemistry Laboratory (2)

CHM 3620 - Descriptive Inorganic Chemistry (3)

CHM 4000 - Seminar (0) (two semesters)

CHM 4380 - Inorganic/Organic Laboratory (2)

CHM 4254 - Biochemistry I (3) or BCM 4254 - Biochemistry I (3)

Eight credits in advanced chemistry courses (4000 level or above). At least 2 credits must be laboratories. Recommended laboratory courses are CHM 4996 or CHM 4257, either of which satisfy the capstone requirement.

#### Corequisite courses

MTH 1554 - Calculus I (4)

MTH 1555 - Calculus II (4)

PHY 1510 - Introductory Physics I (4) and PHY 1100 - General Physics Lab I (1)

PHY 1520 - Introductory Physics II (4) and PHY 1110 - General Physics Lab II (1)

#### Recommended elective

BIO 1200 - Biology I (4)  
STA 2221 - Introduction to Statistical Methods (4)  
STA 2222 - Statistical Methods for Biology (4)

#### Admission to major standing

To be eligible for a degree in chemistry, admission to major standing by the department is required at least three semesters before graduation. Students must consult with the chemistry department chief adviser to develop a curriculum plan prior to the term in which they first take a 3000-4000 level chemistry course. This procedure is designed to ensure that an appropriate plan of study is completed by graduation.

Application for major standing in chemistry is recommended as early as possible, preferably prior to completion of CHM 1440 /1470, CHM 1450 /1480, CHM 2200, CHM 2340, CHM 2350, CHM 2370, PHY 1510 and MTH 1554 with a grade point average (GPA) of 2.00 or better.

#### American Chemical Society certification

The Department of Chemistry's faculty members, facilities and curriculum meet the criteria of the American Chemical Society. This allows the department to certify chemistry students as eligible for society membership. Certification is granted to students who have successfully completed the requirements for the Bachelor of Science degree with a major in chemistry.

#### **Chemistry Minor**

Requirements for the liberal arts minor in chemistry

Students in other departments or the Bachelor of Integrative Studies program who wish to minor in chemistry must complete the following requirements:

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II

CHM 2340 - Organic Chemistry I (4)

CHM 2350 - Organic Chemistry II (4)

CHM 3250 - Analytical Chemistry (4)

CHM 3420 - Physical Chemistry I (4)

#### Additional information

A minimum of 8 credits in chemistry must be earned at Oakland University. An approved concentration/minor authorization form must be filed three semesters prior to graduation.

#### **Chemistry Secondary Teaching Minor**

Requirements for the secondary teaching minor in chemistry

A minimum of 20 credits in chemistry is required for the secondary teaching minor in chemistry. Students transferring equivalent courses must still meet this 20-credit minimum.

These must include

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)  
CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)

Plus CHM courses from one of the following two options

Option 1 - Restricted to students who also take BIO 3232 (e.g., biology majors)

CHM 2340 - Organic Chemistry I (4)  
CHM 2200 - Introduction to Computational Chemistry (2)  
CHM 3250 - Analytical Chemistry (4)

Option 2 - Non-biology majors would normally select this option

CHM 2010 - Introduction to Organic and Biological Chemistry (4)  
CHM 2200 - Introduction to Computational Chemistry (2)  
CHM 3250 - Analytical Chemistry (4)

Additional information

Non-science majors must complete an additional 4 credits in science for a total of 24 credits. In addition SED 4100 ST: Teaching Secondary in the Minor Methods (chemistry) is required.

Generally, application to OU STEP requires a minimum cumulative grade point average of 3.0 in courses in the major and the minor. To progress into the internship year, students admitted to the OU STEP must maintain a minimum GPA of 3.00 in both their major and minor coursework, with no single course grade below C.

Second undergraduate degree candidates completing the minor may be required to take additional courses at Oakland University beyond the stated minimums. Students must consult with the secondary education minor adviser in the department.

### **Chemistry, B.A.**

Requirements for the liberal arts major in chemistry, B.A. program

This curriculum is for students who wish to incorporate a science major into a broader liberal arts program or who desire a foundation in chemistry as a basis for study in chemical physics, medicine and related fields, environmental studies, and technical-legal or technical-business careers. Students interested in sales or management careers in the chemical industry might consider taking the minor in general business offered by the School of Business Administration. Note that either CHM 4996 or CHM 4257/BCM 4257 - Biochemistry Laboratory satisfy the university general education requirement for the capstone course.

To earn a Bachelor of Arts degree with a major in chemistry, students must be approved for major standing and must complete the core curriculum, which requires a minimum of 42 credits in chemistry and 16 credits of corequisite courses, including:

Core curriculum

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)  
CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)  
CHM 2200 - Introduction to Computational Chemistry (2)  
CHM 2340 - Organic Chemistry I (4)  
CHM 2350 - Organic Chemistry II (4)  
CHM 2370 - Organic Chemistry Laboratory (2)  
CHM 3250 - Analytical Chemistry (4)  
CHM 3420 - Physical Chemistry I (4)  
CHM 3430 - Physical Chemistry II (4)  
CHM 3480 - Physical Chemistry Laboratory (2)  
CHM 3620 - Descriptive Inorganic Chemistry (3)  
CHM 4000 - Seminar (0) (two semesters)  
CHM 4380 - Inorganic/Organic Laboratory (2)  
CHM 4254 - Biochemistry I (3) or BCM 4254 - Biochemistry I (3)

Corequisite courses

MTH 1554 - Calculus I (4)  
MTH 1555 - Calculus II (4)  
PHY 1510 - Introductory Physics I (4) and PHY 1100 - General Physics Lab I (1)  
PHY 1520 - Introductory Physics II (4) and PHY 1110 - General Physics Lab II (1)

Recommended elective

BIO 1200 - Biology I (4)  
STA 2221 - Introduction to Statistical Methods (4)  
STA 2222 - Statistical Methods for Biology (4)

Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

## Chemistry, STEP

Adviser: Jessica V. Koppen

The Secondary Teacher Education Program (STEP) at Oakland University is an extended program of study leading to certification. Generally, eligibility for admission to the STEP requires a minimum GPA of 3.00 in both the major and the minor and an overall GPA of 2.80 or better. No single major or minor course grade may be below C. Second-undergraduate degree candidates completing majors and/or minors may be required to complete additional course-work at Oakland University beyond the stated minimums.

Students in this program must complete the requirements for a Chemistry, B.A. or Chemistry - ACS Certified, B.S. degree in chemistry in the College of Arts and Sciences and concurrently fulfill the major requirements listed below.

1. One course in earth science chosen from

PHY 1060 - Earth Science/Physical Geography (4)  
 ENV 3080 - Introduction to Environmental Studies (4)  
 ENV 3730 - Water Resources (3)

(or another course approved by the chemistry STEP adviser)

2. One course in science, technology and society

CHM 3000 - Chemistry, Society Health (4)

3. One course in biology

BIO 1200 - Biology I (4) (or another course approved by the chemistry STEP adviser)

4. Education courses

SED 3000 - Introduction to Secondary Education (4) (must be completed prior to STEP application; includes a required field experience)

FE 3010 - Educational Psychology for K-12 Educators (4) (may include a field experience)

DLL 4197 - Digital Technologies in the Secondary Classroom (4)

RDG 4238 - Teaching Reading in the Content Areas (4) (includes a required field experience)

SE 4401 - Introduction to Students with Special Needs (4) (may include a required field experience)

SED 4100 - ST: Teaching Secondary in the Minor Methods (4) (pedagogy course that includes a required field experience)

SED 4200 - ST: Teaching Secondary of the Major Methods (4) (pedagogy course that includes a required field experience)

SED 4951 - Internship I: Pre-Student Teaching (4)

SED 4952 - Internship in Secondary Education (8)

Additional information

A program in STEP must include either a 20-28 credit secondary teaching minor or an integrated science endorsement.

Further details on program and admission requirements and procedures can be found in the School of Education and Human Services portion of the catalog and by consulting advisers in the Department of Chemistry and the School of Education and Human Services Advising Office, 363 Pawley Hall, (248) 370-4182.

#### Secondary Teacher Education Program (STEP): Endorsement Concentration in Integrated Science

Students pursuing the STEP chemistry major are eligible to pursue an Integrated Science endorsement. Students who complete both the STEP chemistry major and the STEP Integrated Science program will be recommended for certification by Oakland University to teach the following subjects at the secondary level: biology, chemistry, earth science, life science, physical science and physics. This program may be substituted for a secondary teaching minor.

Students must complete the STEP chemistry major and also have taken the following courses

BIO 1200 - Biology I (4)

BIO 1300 - Biology II (4)

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I (1)

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II (1)

CHM 2340 - Organic Chemistry I (4)

ENV 3080 - Introduction to Environmental Studies (4)

PHY 1010 - General Physics I (4) or PHY 1510 - Introductory Physics I (4)

PHY 1100 - General Physics Lab I (1)

PHY 1020 - General Physics II (4) or PHY 1520 - Introductory Physics II (4)

PHY 1110 - General Physics Lab II (1)

PHY 1040 - Astronomy: The Solar System (4)

PHY 1060 - Earth Science/Physical Geography (4) or GEO 1060 - Earth Science/Physical Geography (4)

#### Additional program information

STEP chemistry majors should note that many of the courses listed above may have already been taken in the process of completing the STEP chemistry major.

A cumulative grade point average of 3.00 is required in courses in the program, with no single course grade below C. Second undergraduate degree candidates completing the program may be required to take additional courses at Oakland University beyond the stated minimums. Students must consult with the STEP chemistry adviser.

Additional Information



In addition to these major requirements, students must complete the Oakland University General Education Requirements and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

### **Courses**

#### **CHM 1040 - Introduction to Chemical Principles (4)**

Study of principles of general chemistry. Prepares students for CHM 2010. Recommended preparation: high school algebra and chemistry. Satisfies the university general education requirement in the natural science and technology knowledge exploration area. Students must attend four general education laboratory sessions during the semester.

Prerequisite(s): MTH 0661 with a minimum grade of (C) or placement in MTH 0662 or higher MTH course.

#### **CHM 1430 - Chemical Principles (4)**

States of matter, atomic structure, bonding and molecular structure, chemical reactions. This course has common lectures with CHM 1440. (Students may not receive credit for both CHM 1430 and CHM 1440). CHM 1430 does not satisfy the university general education requirement in the natural science and technology knowledge exploration area. Recommended preparation is three years of high school mathematics and one year of high school chemistry. Restricted to engineering and computer science majors.

Prerequisite(s): Score of 22 or higher on ACT mathematics exam or score of 550 or higher on SAT mathematics exam; or (MTH 0662 with a grade of C or better) or equivalent; or placement above MTH 0662.

#### **CHM 1440 - General Chemistry I (4)**

States of matter, atomic structure, bonding and molecular structure, chemical reactions. Recommended preparation is three years high school mathematics and one year of high school chemistry. CHM 1440 and CHM 1470 replace lecture/lab. This course has common lectures with CHM 1430. (Students may not receive credit for both CHM 1440 and CHM 1430). CHM 1440 and CHM 1470 together satisfy the university general education requirement in the natural science and technology knowledge exploration area.

Prerequisite(s): Score of 22 or higher on ACT mathematics exam or score of 550 or higher on SAT mathematics exam; or (MTH 0662 with a grade of C or better) or equivalent; or placement above MTH 0662.

Corequisite(s): CHM 1470

#### **CHM 1450 - General Chemistry II (4)**

Chemical reactions, kinetics, equilibrium, acid-base chemistry, thermodynamics, and electrochemistry.

Prerequisite(s): CHM 1440 and CHM 1470 or CHM 1430 and CHM 1470

Corequisite(s): CHM 1480

#### **CHM 1470 - General Chemistry Laboratory I (1)**

Experimental investigation of chemical phenomena and measurements to accompany CHM 1440. May be taken with permission by students who have completed CHM 1430.

Corequisite(s): CHM 1440

CHM 1480 - General Chemistry Laboratory II (1)

Training in basic techniques of chemistry experimentation.

Prerequisite(s): CHM 1440 and CHM 1470 or CHM 1430 and CHM 1470

Corequisite(s): CHM 1450

CHM 2000 - Special Topics in Chemistry (1 TO 4)

Study of a selected topic in chemistry. Prerequisites may vary. May be repeated for additional credit.

CHM 2010 - Introduction to Organic and Biological Chemistry (4)

Brief survey of organic and biological chemistry, emphasizing applications to human physiology. CHM 2010 may not be used for major or minor credit in chemistry, biology or physics, except for the STEP minor in chemistry.

Prerequisite(s): CHM 1040

CHM 2200 - Introduction to Computational Chemistry (2)

Introduction to the use of modern computational methods for the solution of chemical problems, with emphasis on the use of high-level software packages. Topics include elementary computational procedures, statistical treatment of experimental data, graphical methods, and an introduction to molecular modeling. No computer programming experience required.

Prerequisite(s): CHM 1450 and CHM 1480; MTH 1554 or MTH 1222 recommended.

CHM 2340 - Organic Chemistry I (4)

Introduction to the structure, properties and reactivity of organic compounds.

Prerequisite(s): CHM 1450 and CHM 1480

CHM 2350 - Organic Chemistry II (4)

A continuation of CHM 2340. A study of the organic chemistry of functional groups and an introduction to biologically important organic compounds.

Prerequisite(s): CHM 2340

CHM 2370 - Organic Chemistry Laboratory (2)

Basic organic laboratory manipulations at the semi-micro level, synthesis, spectroscopy and chromatography.

Prerequisite(s): CHM 2340

CHM 2995 - Introduction to Research (1 TO 4)

Introduction to laboratory research for students with no previous research experience. May be repeated for credit. Graded S/U.

Prerequisite(s): permission of instructor.

#### CHM 3000 - Chemistry, Society Health (4)

Designed for non-science majors and STEP chemistry majors and minors. Applies chemistry to environmental topics including smog, ozone depletion, global climate changes, water pollution, acid rain, fossil fuel and nuclear and alternative energies. Several in-class laboratory experiences included. Satisfies the university general education requirement in the natural science and technology knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both.

Prerequisite(s): completion of the university writing foundation requirement.

#### CHM 3250 - Analytical Chemistry (4)

Acid-base, complexation, precipitation, oxidation-reduction and phase-distribution principles, along with fundamentals of spectroscopy, chromatography and statistics, are studied and applied to chemical analysis. Four hours of lecture and eight hours of laboratory per week.

Prerequisite(s): CHM 1450 and CHM 1480

#### CHM 3420 - Physical Chemistry I (4)

Kinetics, applications of thermodynamics to chemical systems and equilibria.

Prerequisite(s): CHM 1450 and CHM 1480; MTH 1555; PHY 1520 and PHY 1110

#### CHM 3430 - Physical Chemistry II (4)

Introduction to quantum mechanics, statistical mechanics and molecular spectroscopy. This course may be taken before CHM 3420.

Prerequisite(s): CHM 1450 and CHM 1480, MTH 1555 and PHY 1520 and PHY 1110

#### CHM 3480 - Physical Chemistry Laboratory (2)

Experiments in thermodynamics, kinetics, phase equilibria, and advanced spectroscopy with emphasis on mathematical treatment of experimental data. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): CHM 2200, CHM 3250 and CHM 3420 or CHM 3430

#### CHM 3620 - Descriptive Inorganic Chemistry (3)

Structure, bonding and reactivity of inorganic compounds.

Prerequisite(s): CHM 2350

#### CHM 4000 - Seminar (0)

Discussions of recent advances and topics of current interest; reports. Graded S/U.

Prerequisite(s): junior or senior standing.

**CHM 4100 - Environmental Chemistry (3)**

Concepts from atmospheric and aquatic chemistry as it is applied to the environment such as photochemistry, global warming, ozone depletion, carbon cycle, equilibrium principles, acids and bases, complexation and dissolution, and electron transfer processes. Current topics in environmental issues and analytical methods will be discussed.

Prerequisite(s): CHM 2340

**CHM 4120 - Atmospheric Chemistry (3)**

Chemistry of atmospheric gases and aerosols. Environmental issues (stratospheric ozone depletion, global warming, photochemical smog, acid rain, biosphere/atmosphere interactions). Concepts (lifetimes, sources, sinks, transport, global cycles). Social issues (air quality standards, effects of air pollutants). Measurement techniques.

Prerequisite(s): CHM 3420

**CHM 4130 - Environmental Aquatic Chemistry (3)**

Applications of inorganic and organic chemistry in natural waters pertaining to environmental concerns. Topics include acid-base reactions, buffer systems, mineral precipitation, chemical complexation, redox reactions, adsorption phenomena, chemical-equilibria, and the influence of organic chemicals on transfer and reaction processes in the environment.

Prerequisite(s): CHM 2340

**CHM 4254 - Biochemistry I (3)**

First course in a comprehensive biochemistry sequence. Structure and function of proteins, carbohydrates and lipids; enzyme mechanisms, kinetics and regulation; bioenergetics and catabolism. Identical with BCM 4254.

Prerequisite(s): CHM 2350

**CHM 4256 - Biochemistry II (3)**

Metabolic pathways and control; nucleic acid structure, function and processing, including regulation of gene expression. Selected topics in molecular physiology. Identical with BCM 4256.

Prerequisite(s): CHM 4254 or BCM 4254

**CHM 4257 - Biochemistry Laboratory (3)**

Techniques of extraction, separation, identification and quantification of proteins and DNA including electrophoresis and various forms of chromatography; study of enzyme kinetics and regulation of catalytic activity; molecular biology methods including cloning, polymerase chain reaction, site-directed mutagenesis and expression and analysis of mutated proteins. Emphasis placed on mathematical treatment of experimental data. Identical with BCM 4257. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive; completion of the university writing foundation requirement.

Prerequisite(s): CHM 4254 or BCM 4254 which may be taken concurrently.

**CHM 4320 - Advanced Organic Chemistry (3)**

Selected topics in synthetic, structural and physical-organic chemistry.

Prerequisite(s): CHM 2350

**CHM 4380 - Inorganic/Organic Laboratory (2)**

Synthesis, analysis and characterization of organic and inorganic compounds. CHM 3620 may be taken concurrently.

Prerequisite(s): CHM 2370 and CHM 3620

**CHM 4440 - Advanced Physical Chemistry (3)**

Introduction to statistical mechanics. Applications of quantum and statistical mechanics to chemical bonding, molecular structure and spectroscopy.

Prerequisite(s): CHM 3420, CHM 3430 and MTH 2554

**CHM 4580 - Biochemistry Projects (2)**

Advanced project-oriented instruction in biochemical laboratory techniques.

Prerequisite(s): CHM 4257 and permission of instructor.

**CHM 4700 - Industrial Chemistry (3)**

Survey of the major sources and uses of chemicals, industrial chemical processes, fundamental raw materials and career paths available in the chemical industry. More intensive treatment of selected industrial processes.

Prerequisite(s): CHM 2350

**CHM 4710 - Structure and Synthesis of Polymers (3)**

Preparation, properties and structure of selected inorganic and organic polymers. Both chemical theory and technological and organic polymers. Both chemical theory and technological applications will be discussed.

Prerequisite(s): CHM 2350

**CHM 4720 - Chemical and Physical Properties of Polymers (3)**

The molecular principles governing the physical behavior of macromolecules in solution and in the glassy and crystalline states. The mechanical behavior and structure of macromolecules.

Prerequisite(s): CHM 4710 and CHM 3430 or permission of instructor.

**CHM 4900 - Selected Topics (1 TO 4)**

Advanced study in selected areas; normally involves preparation of a term paper or presentation of a seminar. May be repeated for credit.

Prerequisite(s): permission of instructor.

**CHM 4995 - Research (1 TO 8)**

Laboratory practice in undergraduate research, with at least four hours per week per credit. May be repeated for credit. Cannot be used to satisfy the chemistry major requirements for 4000-level courses. Graded S/U.

Prerequisite(s): permission of instructor.

#### CHM 4996 - Independent Research (3)

Undergraduate research with at least eight hours per week in the laboratory. Requires a written report. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): junior standing and permission of instructor.

#### CHM 4997 - Apprentice Chemistry Teaching (1 OR 2)

Supervised participation in teaching undergraduate or high school courses in chemistry. May be repeated once for credit.

Prerequisite(s): permission of instructor.

#### ENV 3080 - Introduction to Environmental Studies (4)

Survey of a broad range of environmental issues from a scientific viewpoint. Basic ecological and thermodynamic principles with applications to air, water and land pollution; human demography and food supplies; alternative futures. Satisfies the university general education requirement in the natural science and technology knowledge exploration area.

Prerequisite(s): sophomore standing.

#### ENV 3090 - Principles of Geology (3)

Basic concepts of geology including rocks and minerals; weathering processes and products; hydrogeology and surface hydrology; erosion, sedimentation, and transport; oil, gas, ore, and mineral formation, exploration, and exploitation; and environmental issues.

#### ENV 3100 - Economics of the Environment (3)

Identical with ECN 3100.

Prerequisite(s): ECN 1500 or ECN 2010 or ECN 2100

#### ENV 3120 - Energy and the Environment (4)

Basic facts of energy: sources, forms, the roles it plays, and its ultimate fate. Includes study of laws limiting energy utilization, energy flow patterns, effects of energy use on the environment and analyses of current energy-related problems.

Prerequisite(s): sophomore standing; mathematics proficiency at the MTH 0661 level.

#### ENV 3220 - The Food Quest (4)

Identical with AN 3133.

#### ENV 3540 - Global Environmental Governance (4)

Identical with PS 3730. Satisfies the university general education requirement in the knowledge application integration area. Prerequisite for knowledge applications integration: completion of the general education requirement in the social science knowledge explanation area. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing area: completion of the university writing foundation requirement.

#### ENV 3550 - Public and Environmental Health (3)

Emphasizing a public health perspective, this course surveys human health issues along with control strategies to reduce risk. Topics include: epidemiology, disease vectors, drinking water, occupational health, food protection, solid and hazardous wastes.

Prerequisite(s): sophomore standing

#### ENV 3640 - Hazardous Materials Emergency Response (3)

Review of standard operating procedures when dealing with responses to hazardous materials incidents. Planning procedures, policies and application of procedures for incident levels, personal protective equipment, decontamination, safety, communications and governmental reporting are stressed.

Prerequisite(s): sophomore standing.

#### ENV 3680 - Fundamentals of Hazardous Materials Regulations (3)

An introduction to the regulations governing the manufacture, use, storage, transportation, treatment and disposal of hazardous materials. Related management issues of liability, compliance, ethics, assessment, remediation and clean-ups will be discussed.

Prerequisite(s): sophomore standing; ENV 3860 recommended.

#### ENV 3700 - Principles of Soil Science (4)

Soil science, weathering processes, weathering products, soil mineralogy, nutrients and trace elements, soil use and management. Field and lab work accompany lecture.

#### ENV 3730 - Water Resources (3)

Analysis of natural water systems, introductory hydrology, the chemistry of eutrophication, and wastewater systems. Emphasis is on applications, including water pollution abatement and management strategies.

Prerequisite(s): CHM 1450 and CHM 1480 and sophomore standing.

#### ENV 3750 - Introduction to Apiculture and Sustainability (4)

Beekeeping, bee biology, and bee biochemistry, general hive maintenance, and the use of apiculture in sustainable agricultural practices. Field work accompanies lecture.

Prerequisite(s): BIO 1300 with a grade of (C) or greater.

#### ENV 3860 - Principles of Occupational Health (3)

Recognition, evaluation and control of chemical and physical stresses in the workplace that may adversely affect human health.

Prerequisite(s): sophomore standing; BIO 1300, CHM 2340, Physics is desirable.

#### ENV 3870 - Industrial Hygiene Field Survey (3)

Selected subjects of current interest in occupational and environmental health and review of occupational health programs at local industrial companies through site visits.

Prerequisite(s): ENV 3860 recommended.

#### ENV 3890 - African Environmental History (4)

Identical with HST 3740.

Prerequisite(s): WRT 1060

#### ENV 3900 - Selected Topics (1 TO 4)

Technical studies in special areas; topics vary with semester. May be repeated for credit.

Prerequisite(s): junior standing and permission of instructor.

#### ENV 3920 - Directed Studies (1 TO 6)

Studies in special areas, often individually arranged. May be repeated for credit. Preparation of study plan and instructor's approval are required before registration. Graded S/U.

Prerequisite(s): permission of instructor.

#### ENV 4460 - Industrial and Environmental Toxicology (3)

Introduction to the basic concepts and techniques of toxicology with special attention given to the industrial environment. Evaluation of the toxic effects of substances and toxic responses to various substances. Principles of toxicology applied to biological systems: exposure, biotransformations, mechanisms of toxicity, dose-response relationships and factors influencing toxicity. Identical with EHS 4460. Satisfies the university general education requirement for a writing intensive course in the major.

Prerequisite(s) for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): CHM 2340 or permission of instructor.

#### ENV 4520 - Geographic Information System Analysis for Sustainability (4)

Identical with PS 3850.

#### ENV 4521 - Environmental Management Systems (3)

Problems of air and water pollution, solid waste management, hazardous material handling, life cycle analyses and pollution control examined from several viewpoints. Solutions to pollution problems, control technologies, practical aspects and compliance with regulations.

Prerequisite(s): sophomore standing, CHM 1450 and CHM 1480

#### ENV 4610 - Environmental Law and Policies (3)



Legislative and legal perspectives on environmental and occupational health issues. Special emphasis on current laws and regulations, as well as their impact on the groups regulated.

Prerequisite(s): sophomore standing.

#### ENV 4740 - Industrial Hygiene Monitoring Methods (3)

Sampling and analysis of occupational health hazards and evaluation of the effectiveness of industrial hygiene control methods in laboratory and field locations.

Prerequisite(s): ENV 3860 recommended.

#### ENV 4800 - Biogeochemical Cycling (3)

Nutrient cycle, environmental contamination, remediation, sustainable agriculture, land use and management.

Prerequisite(s): ENV 3080

#### ENV 4850 - Environmental Fate and Transport (3)

Distribution and transformation of chemical pollutants in air, water and soil. Topics include chemical equilibrium and mass transport processes, biotic and abiotic transformations, hydrology, and physiochemical properties of chemical pollutants that affect transport, accumulation and degradation.

Prerequisite(s): CHM 2340

#### ENV 4860 - Toxic Substance Control (3)

Quantification and management of toxic substances, including production, use, distribution, exposure and control. Risk assessment and regulatory strategies will be emphasized.

Prerequisite(s): BIO 1200, BIO 1300; CHM 2340

#### ENV 4870 - Natural Resource Management (3)

Oil, gas and metallic ore exploration and exploitation. Contamination issues and remediation strategies. Special emphasis on real data analysis. Students will produce and present a comprehensive management plan production based on these data.

Prerequisite(s): ENV 3090

#### ENV 4950 - Environmental Science Internship (3)

Supervised practical experiences in an environmental health setting. Weekly journal and a written paper required. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): junior standing. Permission of instructor.

## Department of Communication and Journalism

316 WILSON HALL

(248) 370-4120  
Fax: (248) 370-4208

Chairperson: Jeffrey Youngquist

Professor Emeritus: David L. Lau

Professor: Thomas Discenna, Sharon L. Howell, Valerie Palmer-Mehta (director, Communication Program)

Associate professors: Kathleen M. Battles, Jacob Cayanus, Rose M. Cooper, Scott Crabill, Rebekah Farrugia, Kellie Hay, Jennifer M. Heisler, David L. Lau, Lily Mendoza, Erin Meyers, Adina Schneeweis, Robert Sidelinger (supervisor, Communication Internships), Jeffrey Youngquist

Assistant professors: Seungae (Suzy) Lee, Rebecca Mercado-Jones, Sam Srauy, Chiaoning Su, Zexin (Marsha) Ma

Special instructor: Elizabeth Talbert

Full-time adjunct instructors: Garry Gilbert (director, Journalism Program; interim director, Public Relations), Holly Shreve Gilbert, Christine Stover

Lecturers in communication: Scott Burke, Lisa Campbell, Amanda Fylan, Paul Fugate, Lynn Hartshorn, Brian Hlavaty (supervisor, Journalism Internships), Timothy Johnston, Carol Anne Ketelsen, Stanislav Kozadayev, Jason Pennington, James Perkinson, Charles Rinehart, Martin Shafer, Debra Youngquist

Lecturers in journalism: Susan Evans, Kelly Kozlowski, Kim Madeleine, Judith Sawyer, Ritu Sehgal, Catherine Shafran, Kaniqua Welch

Chief advisers: Elizabeth Talbert (Communication), Holly Shreve Gilbert (Journalism)

The Department of Communication and Journalism offers three Bachelor of Arts programs of study in Communication, Journalism, and Public Relations and Strategic Communication. Courses are available in communication theory, interpersonal and organizational communication, media studies, rhetorical studies, critical/cultural studies, print and broadcast journalism, public relations, and advertising. Departmental Honors and Scholarships

All communication and journalism majors with a minimum university grade point average of 3.00 and a minimum grade point average of 3.60 in the major are considered candidates for departmental honors. Honors are awarded to those candidates with the highest averages in major courses. The exact criterion

varies from year to year and will be determined by the department on a yearly basis. The department awards the following scholarships: the Donald C.Hildum Scholarship for communication students demonstrating academic promise and community involvement, the Oakland Press Scholarship for excellence in journalism, the Bunting and Briggs Freedom of the Press Scholarship, the Richard D. French public relations tuition award and the Nancy A. French award.

#### Schedule of Classes

#### Programs

- Advertising Minor
- Communication Minor
- Communication, B.A.
- Communication, B.A. to M.A
- Digital Media Production Minor
- Interactive and Social Media Minor
- Journalism Minor
- Journalism, B.A.
- Organizational Communication Minor
- Public Relations and Strategic Communication, B.A.
- Public Relations Minor
- Relational Communication Minor

#### Advertising Minor

Requirements for the liberal arts minor in advertising

The liberal arts minor in advertising requires a minimum of 24 credits distributed as follows:

1. 12 credits in three core courses:

JRN 2000 - Introduction to Journalism and News Writing (4)

JRN 2400 - Introduction to Advertising (4)

JRN 4950 - Journalism Internship (4) (when applicable to advertising and approved by adviser)

2. At least 12 credits selected from the following:

JRN 3410 - Advertising Account Planning and Research (4)

JRN 3420 - Advertising Creative Strategy (4)

JRN 3440 - Advertising Copywriting (4)

JRN 4200 - Media Design (4)

JRN 4900 - Special Topics in Journalism (4) (when applicable to advertising and approved by adviser)

Note:

No more than 8 credits of course work used to satisfy the minor may be applied toward the major, but exceptions to this rule may be allowed with the written approval of the program directors.

### **Communication Minor**

Requirements for the liberal arts minor in communication

To earn a minor in communication, students must complete a minimum of 20 credits in communication including:

1. Required courses

COM 1000 - Introduction to Communication Studies (4)

Plus one of the following

COM 2000 - Public Speaking (4)

COM 2001 - Professional Communication (4)

COM 2403 - Group Dynamics and Communication (4)

COM 3080 - Competitive Speaking (2) (two semesters required for a total of 4 credits)

2. Three additional communication courses for a total of 12 credits

3. At least 12 credits in communication courses must be at the 3000-4000 level.

Note:

Students using this catalog to meet communication minor requirements may also use any course subsequently approved as satisfying requirements in a particular group and published in a later catalog.

### **Communication, B.A.**

Requirements for the liberal arts major in communication, B.A.

The major in communication combines theory and practice and emphasizes how people analyze and make responsible choices in diverse communication contexts. Students develop critical perspectives in order to evaluate different communication approaches. Students, as communicators, learn to choose the effect their actions have on others. They learn also to choose their roles as citizens in a democratic community. This responsibility requires that they gain an appreciation for humans across our varied differences, and respect human differences among cultures, social groups, genders and individuals, and that they create an ethical voice for building personal and public relationships.

To earn the Bachelor of Arts degree with a major in communication, students must complete a minimum of 40 credits, of which 20 credits must be at the 3000 level or above, plus language and writing corequisite courses.

The requirements include:

1. Required courses (must be completed with a grade of (C) or higher)

COM 1000 - Introduction to Communication Studies (4)

COM 3300 - Multicultural Communication (4)

Plus one course in public address (must be completed with a grade of (C) or higher)

COM 2000 - Public Speaking (4)

COM 3080 - Competitive Speaking (2) (two semesters required for a total of 4 credits)

COM 2001 - Professional Communication (4)

And one course in theory (must be completed with a grade of (C) or higher)

COM 3000 - Relational Communication Theory (4)

COM 3002 - Cultural Theory in Communication (4)

COM 3003 - Media and Mass Communication Theory (4)

COM 3201 - Rhetorical Theory (4)

COM 3202 - Discourse Theory (4)

2. One capstone course (must be completed with a grade of (C) or higher)

COM 4930 - Community Field Experience (4)

COM 4950 - Internship (4)

COM 4901 - Senior Research Seminar (4)

3. One course from the Interpersonal group

COM 3000 - Relational Communication Theory (4) (may satisfy the requirement either for theory or for the interpersonal group, but not both)

COM 3400 - Relational Communication (4)

COM 3401 - Communication in Organizations (4)

COM 3402 - Communication in Leadership (4)

COM 3403 - Interpersonal Conflict (4)

COM 3404 - Nonverbal Communication (4)

COM 3405 - Gender Communication (4)

COM 3407 - Women in Leadership (4)

COM 4400 - Advanced Relational Communication (4)

COM 4401 - Family Communication (4)

COM 4402 - Health Communication (4)

COM 4403 - Advanced Nonverbal Communication (4)

COM 4499 - The Dark Side of Interpersonal Communication (4)

COM 4602 - Sexuality and Communication (4)

4. One course from the Media group

COM 2650 - Introduction to Media Communication (4)

COM 2600 - Media and Social Identity (4)

COM 3003 - Media and Mass Communication Theory (4) (may satisfy the requirement for theory or for the media group, but not both)

COM 3601 - Communication, Mobile Media, and the Internet (4)

COM 3602 - Television Studies in the Digital Age (4)

COM 3603 - Critical Approaches to Popular Music (4)

COM 3607 - Rise of Electronic Media (4)

COM 3606 - Media, Gender and Sexuality (4)

COM 4600 - Media Criticism (4)

COM 4601 - Theory and Practice of Media Literacy Outreach (4)

CIN 3330 - Understanding Media Industries (4)

5. One course from the Rhetoric/Critical Cultural group

COM 2200 - Rhetoric and Public Culture (4)

COM 2201 - Argumentation and Debate (4)

COM 2202 - Persuasion and Social Change (4)

COM 3002 - Cultural Theory in Communication (4) (may satisfy the requirement either for theory or for the rhetoric/critical cultural group, but not both)

COM 3200 - Persuasion (4)

COM 3201 - Rhetorical Theory (4) (may satisfy the requirement either for theory or for the rhetoric/critical cultural group, but not both)

COM 3202 - Discourse Theory (4)

COM 3301 - Race and Communication (4)

COM 4200 - Rhetorical Criticism in Communication (4)

COM 4203 - Women, Power, and Persuasion (4)

COM 4300 - Hip-Hop, Race and the City (4)

COM 4301 - Cultural Studies in Communication (4)

COM 4302 - Communication, Culture, and Ecology (4)

Note:

CIN 3330 will continue to count towards the COM Major.

6. At least 8 credits in COM electives from among all COM course offerings

7. Language corequisite (select one of the following)

American Sign Language at the university level (COM 1500-COM 1501). COM 1500-COM 1501 will also satisfy the elective requirement (see #6 above) for the major in communication.

An introductory two-semester sequence in a modern foreign language or American sign language, OR one semester of a modern foreign language or American sign language at the 1501 level or higher. (4 credits of which will satisfy university general education language requirement).

#### 8. Writing corequisite (select one of the following)

JRN 2000 - Introduction to Journalism and News Writing (4)

WRT 3064 - Writing About Culture: Ethnography (4)

WRT 3082 - Business Writing (4)

#### Additional program information

Students using this catalog to meet communication major requirements may also use any course subsequently approved as satisfying requirements in a particular group and published in a later catalog.

Communication majors interested in careers in public relations or advertising are encouraged to minor in public relations or advertising. (See the Journalism Program section of this catalog.)

Communication majors may not minor in relational communication or interactive and social media.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Communication, B.A. to M.A**

Communication B.A. to M.A. Accelerated Program

The Communication B.A. to M.A. program enables students to complete a bachelor's degree in Communication and a graduate M.A. degree in Communication in five years if one summer course is taken in years three, four, and five. This accelerated program allows students to complete three graduate level courses while pursuing the undergraduate degree and pay undergraduate rates for those courses.

It is recommended, but not a requirement, that students complete the core requirements and apply to the program at the end of the first semester of their junior year.

#### Admission Criteria

Admission to the Accelerated Communication B.A. to M.A. program is granted only by the department.

1. To be considered for admission students must complete the major core requirements in Communication by the end of their junior year:

COM 1000 - Introduction to Communication Studies (4)

COM 3300 - Multicultural Communication (4)

COM 2000 - Public Speaking (4), COM 3080 - Competitive Speaking (2) or COM 2001 - Professional Communication (4)

COM 3000 - Relational Communication Theory (4), or COM 3201 - Rhetorical Theory (4), or COM 3002 - Cultural Theory in Communication (4), or COM 3003 - Media and Mass Communication Theory (4)

2. Students must have an overall GPA of at least 3.0 and a GPA in the major of at least 3.5 to enter the program.

3. If approved for the program by the department, students will receive deferred admission status into the graduate M.A. program. Upon completion of the B.A. degree, students who have maintained an overall undergraduate GPA of 3.0 and earned a minimum grade of B in each of their graduate courses will be formally admitted to the M.A. program.

If admitted to the program, 12-credits of graduate courses will apply to the bachelor's degree and also count for graduate credit. Courses eligible to be double-counted must be at the 5000-level, and each must be passed with a minimum grade of B. Independent study courses, internships or courses given for credit by examination are not eligible. Successful completion of major core requirements with a 3.0 GPA does not guarantee admission.

Once accepted into the program, students will take COM 5000 (in place of the B.A. capstone); COM 5001 (in place of a COM elective or area group requirement); and COM 5100 or 5101 or a COM MA Elective (in place of a COM elective or area group requirement).

4. Students who opt not to continue on with full admission to the M.A. program in their senior undergraduate year must meet with a faculty adviser to ensure they have met the requirements for graduation.

#### How to Apply



Students who have completed the required courses with a minimum GPA of 3.0 must complete and submit a Declaration of Eligibility Form available in the department office or online. The eligibility form must be returned to the department office.

\*Transfer students will be handled on a case-by-case basis.

\*\* Students must maintain an overall 3.0 GPA to remain in the accelerated degree program.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the undergraduate degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Digital Media Production Minor**

Requirements for the liberal arts minor in Digital Media Production

The liberal arts minor in digital media production requires a minimum of 24 credits distributed as follows:

##### 1. Required core courses

JRN 2000 - Introduction to Journalism and News Writing (4)

COM 2656 - Introduction to Digital Media Production (4)

##### 2. At least 16 credits selected from the following

Recommended for broadcasting emphasis: COM 2650, COM 2655, COM 2654, COM 3607, COM 3650, COM 4656

Recommended for mobile based or internet production emphasis: JRN 3310, JRN 3330, JRN 4100, JRN 4200, JRN 4350.

For students wishing an alternate emphasis, consult with the department's faculty adviser.

COM 2650 - Introduction to Media Communication (4)

COM 2654 - Audio Production (4)

COM 2655 - Introduction to Live TV Production (4)  
 COM 3607 - Rise of Electronic Media (4)  
 COM 3650 - Advanced Audio Production (4)  
 COM 4656 - Advanced Digital Media Production (4)  
 JRN 3310 - Digital Photojournalism (4)  
 JRN 3330 - Digital TV News (4)  
 JRN 4100 - Multimedia Journalism (4)  
 JRN 4200 - Media Design (4)  
 JRN 4350 - Video Documentary Journalism (4)

#### Note

No more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Interactive and Social Media Minor**

Requirements for the liberal arts minor in interactive and social media

The minor in interactive and social media requires a minimum of 20 credits as follows:

#### Core course

COM 1000 - Introduction to Communication Studies (4)

An additional four classes from the following choices, with at least one course from each category, theory and practice

#### Theory

COM 3000 - Relational Communication Theory (4)  
 COM 3400 - Relational Communication (4)  
 COM 3601 - Communication, Mobile Media, and the Internet (4)  
 COM 3602 - Television Studies in the Digital Age (4)  
 COM 4499 - The Dark Side of Interpersonal Communication (4)  
 COM 4901 - Senior Research Seminar (4) (if appropriate; requires department approval)

#### Practice

JRN 3290 - Digital Storytelling for the Media: Diversity, Identity, and Community (4)  
 JRN 4100 - Multimedia Journalism (4)  
 \* JRN 4950 - Journalism Internship (4) (with approval by the course director to ensure that it includes a proper focus on interactive or social media)

\* COM 4930 - Community Field Experience (4) (with approval by the course director to ensure that it includes a proper focus on interactive or social media)

\* COM 4950 - Internship (4) (requires department approval)

\* Only one of these internship courses may count toward the minor.

#### Note

Students majoring in communication may not elect this minor.

#### **Journalism Minor**

Requirements for the liberal arts minor in journalism

The liberal arts minor in journalism requires a minimum of 24 credits distributed as follows:

1. Twelve credits in 3 core courses:

JRN 2000 - Introduction to Journalism and News Writing (4)

JRN 3000 - Advanced News Writing and Editing (4)

JRN 4950 - Journalism Internship (4)

2. At least 12 elective credits in journalism and public relations courses

Up to eight credits in PR courses are allowed.

#### **Journalism, B.A.**

Requirements for the liberal arts major in journalism, B.A. program

The journalism major builds on the liberal arts education by teaching students skills and theory necessary to produce meaningful content for news, public relations and advertising organizations. The curriculum is designed to endow students with a solid practical and technical knowledge base as well as an understanding of the legal, ethical and theoretical aspects of journalism and its critical role in a democracy. Students learn the dual concepts of press freedom and press responsibility. Due to the broad nature of the journalism curriculum, students can either generalize or develop a special emphasis within the major by taking a series of courses in print journalism (including media design), broadcast and online journalism, public relations or advertising. Students in the program are encouraged to develop expertise in different disciplines through minors or a double major. All journalism majors must complete a capstone course and a senior portfolio is recommended.

To earn the Bachelor of Arts degree with a major in journalism, students must complete a minimum of 40 credits in journalism courses distributed as follows:

1. Core courses - 16 credits

JRN 2000 - Introduction to Journalism and News Writing (4)

JRN 3000 - Advanced News Writing and Editing (4)

JRN 4020 - Ethical Issues in the Media (4)

JRN 4030 - Media Law (4)

2. Capstone Requirement - 4 credits selected from

JRN 4120 - OU Student News Bureau (4)

JRN 4950 - Journalism Internship (4)

3. Visual journalism requirement - 4 credits selected from

JRN 3310 - Digital Photojournalism (4)

JRN 4100 - Multimedia Journalism (4)

JRN 4200 - Media Design (4)

JRN 4350 - Video Documentary Journalism (4)

4. At least 16 elective credits from journalism or public relations courses; COM 2650 or COM 2656.

5. Senior portfolio

The portfolio is a recommended exhibit of a journalism major's learned skills and experience. It should be posted online and include an introduction, resume and samples of published or broadcast work and /or pertinent scholarly research or projects. The internship often is the best source for portfolio content. Majors should attend a portfolio workshop (offered in fall and winter semesters, dates TBA) for details.

Note

Students using this catalog to meet journalism major requirements may also use any course subsequently approved as satisfying requirement in the visual journalism requirement category and published in a later catalog.

Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Organizational Communication Minor**

Requirements for liberal arts minor in organizational communication

To earn a minor in organizational communication, students must complete a minimum of 20 credits in communication, distributed as follows:

1. Core courses

COM 2001 - Professional Communication (4)

COM 3401 - Communication in Organizations (4)

2. A minimum of 12 additional credits in communication selected from:

COM 2000 - Public Speaking (4)

COM 2403 - Group Dynamics and Communication (4)

COM 3200 - Persuasion (4)

COM 3400 - Relational Communication (4)

COM 3402 - Communication in Leadership (4)

COM 3403 - Interpersonal Conflict (4)

COM 3407 - Women in Leadership (4)

COM 4402 - Health Communication (4)

Note: Eight of the 12 credits must be at the 3000-4000 level.

#### Additional information

This minor is not open to communication majors.

### **Public Relations and Strategic Communication, B.A.**

Admission to the major

Admission to the major in public relations and strategic communication is granted only by the department. Admission to the university does not constitute or guarantee admission to the major.

1. To be considered for admission to the major all students, as pre-majors, must attain a minimum grade of a (B) in each of the following courses:

WRT 1060 Composition II \*

JRN 2000 Introduction to Journalism and News Writing \*

PR 2500 Introduction to Public Relations\*

Students cannot apply for major standing until they have completed these courses. This requirement applies to incoming first-year students, transfer students, currently enrolled Oakland University students and students working on a second bachelor's degree.

\*No more than one of these admission courses may be repeated for the purpose of determining eligibility.

2. Transfer students may complete the equivalent courses at their previous college or university, but they must attain the minimum grade of a (B) in the equivalent courses.

3. Students who have completed the required courses with minimum grades of a (B) must complete and submit a Declaration of Eligibility Form in the department office to become part of the student major pool. Successful completion of the required admission courses does not guarantee admission to the major. Admission to the major is competitive and is determined by the satisfactory completion of the admission courses and cumulative GPA. This policy will apply to native and transfer students.

4. Admission to the major is based on:

- The number of majors that the department can reasonably accept without compromising the quality of its educational experience. No more than 30 students will be admitted to the major within an academic calendar year.
- The satisfactory completion of the admission courses and the student's cumulative GPA. The candidates with the highest-ranking GPA in the admission courses and cumulative GPA from the pool of applicants will be selected.
- Students should request public relations and strategic communication as their major by completing the Declaration of Eligibility Form. The form should be completed during finals week before the semester deadlines. The department will wait until all grades are in before processing applications. Students will be notified by email to their Oakland University email address of their acceptance or denial.
- Students who are denied may reapply. Address appeals to the chair. Appeals should be in the form of a letter accompanied by a transcript.

Requirements for the liberal arts major in public relations and strategic communication, B.A.

The public relations and strategic communication major requires a minimum of 44 credits distributed as follows:

Foundation courses (minimum grade of a (B) is required):

JRN 2000 - Introduction to Journalism and News Writing (4)

PR 2500 - Introduction to Public Relations (4)

Core courses (minimum grade of a (C) is required):

- JRN 4020 - Ethical Issues in the Media (4)
- PR 2510 - Public Relations Writing (4)
- PR 2700 - Introduction to Research Methods in Public Relations (4)
- PR 3510 - External Public Relations (4) or PR 3520 - Internal Public Relations (4)

One theory course selected from (minimum grade of a (C) is required):

- COM 3000 - Relational Communication Theory (4)
- COM 3002 - Cultural Theory in Communication (4)
- COM 3003 - Media and Mass Communication Theory (4)
- COM 3201 - Rhetorical Theory (4)
- COM 3202 - Discourse Theory (4)

One capstone course related to the major selected from (minimum grade of a (C) is required):

- COM 4950 - Internship (4)
- JRN 4950 - Journalism Internship (4)

One COM elective selected from:

- COM 2001 - Professional Communication (4)
- COM 2403 - Group Dynamics and Communication (4)
- COM 3200 - Persuasion (4)
- COM 3300 - Multicultural Communication (4)
- COM 3400 - Relational Communication (4)
- COM 3401 - Communication in Organizations (4)
- COM 3601 - Communication, Mobile Media, and the Internet (4)
- COM 3602 - Television Studies in the Digital Age (4)
- COM 3900 - Special Topics in Communication (4) (if topic relates to PR)
- COM 4402 - Health Communication (4)
- COM 4950 - Internship (4) (if taken as capstone, may not double count)

One JRN or PR elective selected from:

- JRN 3120 - Feature Writing (4)
- JRN 3290 - Digital Storytelling for the Media: Diversity, Identity, and Community (4)
- JRN 4200 - Media Design (4)
- JRN 4900 - Special Topics in Journalism (4) (if topic relates to PR)
- JRN 4950 - Journalism Internship (4) (if taken as capstone, cannot double count)
- PR 3400 - Case Studies in Public Relations (4)

PR 3510 - External Public Relations (4) (if not used as a core course)

PR 3520 - Internal Public Relations (4)

(if not used as a core course)

PR 3530 - Public Relations and the News (4)

One additional COM or JRN elective course

Any COM or JRN course, including those not listed on this page, may apply.

#### Note

Courses count as either a core or an elective course and may not be double counted.

Additional degree information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Public Relations Minor**

Requirements for the liberal arts minor in public relations

The liberal arts minor in public relations requires a minimum of 24 credits distributed as follows:

1. Twenty credits in 5 core courses:

JRN 2000 - Introduction to Journalism and News Writing (4)

JRN 4950 - Journalism Internship (4) (when applicable to public relations and approved by adviser)

PR 2500 - Introduction to Public Relations (4)

PR 3510 - External Public Relations (4)

PR 3520 - Internal Public Relations (4)

2. At least 4 credits selected from

COM 3401 - Communication in Organizations (4)

JRN 4200 - Media Design (4)

JRN 4900 - Special Topics in Journalism (4) (when applicable to public relations and approved by adviser)



PR 3400 - Case Studies in Public Relations (4)

PR 3530 - Public Relations and the News (4)

## Notes

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Relational Communication Minor**

Requirements for liberal arts minor in relational communication

The minor in relational communication requires a minimum of 22 credits chosen from the following courses:

COM 2403 - Group Dynamics and Communication (4)

COM 3400 - Relational Communication (4)

COM 3403 - Interpersonal Conflict (4)

COM 3405 - Gender Communication (4)

COM 3406 - Listening in Communication (2)

COM 4499 - The Dark Side of Interpersonal Communication (4)

COM 4400 - Advanced Relational Communication (4)

COM 4401 - Family Communication (4)

COM 4602 - Sexuality and Communication (4)

## Note

Students majoring in communication may not elect this minor.

## **Courses**

COM 1000 - Introduction to Communication Studies (4)

Examines the centrality of communication to human experience including key concepts essential to understanding the processes and practices of communication, the theoretical models and traditions of the discipline, and the historical development of the field. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications: completion of the general education requirement in the social science knowledge exploration area.

COM 1100 - Collegiate Communication (1)

A one credit course with a primary goal of teaching students how successful communication and relationship development can improve their chances of academic and personal success.

COM 1500 - Introduction to American Sign Language (4)

Conversational American Sign Language. Introduction to basic sign vocabulary and grammatical features including facial expression and body language. Includes an examination of the psychological, cultural and linguistic aspects of the deaf community.

COM 1501 - American Sign Language (4)

A continuation of COM 1500

Prerequisite(s): COM 1500

COM 2000 - Public Speaking (4)

Theory and practice in public address: adaptations required by particular goals, audience and occasions, and classroom interactions.

COM 2001 - Professional Communication (4)

Theory and practice in presentational speaking within professional contexts. Students will focus on goals, audience, and occasions experienced in professional contexts including oral presentations, group presentations, and interviewing.

COM 2200 - Rhetoric and Public Culture (4)

The role of rhetoric in creating, negotiating, and reconceptualizing U.S. democratic values, practices, and institutions and the historical development of public culture and the rhetorical interventions that have shaped it. Examines rhetoric as a transformational modality capable of managing disagreement, motivating civil discourse, and promoting peaceful socio-political change.

COM 2201 - Argumentation and Debate (4)

Theories of argumentation from the classical to the contemporary period combined with debating experience. Propositions of fact, value and policy are distinguished and related to the construction and selection of argument. Debate experience will focus on the national intercollegiate proposition.

COM 2202 - Persuasion and Social Change (4)

Examination of the communicative processes by which movements for social change influence institutions and actors. Emphasis on persuasive strategies for mobilization, maintenance and social transformation including narrative and argument, symbolism and music, and the role of leadership. Analysis of case studies and consideration of contemporary efforts at social change.

COM 2403 - Group Dynamics and Communication (4)

Group dynamics, discussion and problem solving; influences of group structure, norms, roles, leadership and climate on the processes of group communication and collaborative decision making.

COM 2500 - American Sign Language III (4)

Continues the work of COM 1500 or COM 1501 with a focus on clarity and completion of expressions. Accurate reception as well as an examination of literary prose in a deaf community.

Prerequisite(s): COM 1501

#### COM 2501 - American Sign Language IV (4)

Develops expressive and receptive fluency through a study of the performance and structure of American sign language poetry.

Prerequisite(s): COM 2500

#### COM 2600 - Media and Social Identity (4)

Explores the role of media in the construction of international, national and local communities, as well as social identity. Students will be given an historical overview of the development of media with an emphasis on the role of media in shaping our ideas of ethnicity, gender identity and citizenship. Satisfies the university general education requirement in the social science knowledge exploration area.

#### COM 2650 - Introduction to Media Communication (4)

Introduction to the historical, programming, physical, legal, social, and economic aspects of broadcasting and its transformation in a digital age.

#### COM 2654 - Audio Production (4)

Analysis and evaluation of contemporary audio/radio production and programming introduction to writing, producing, and performing audio programming. Identical with JRN 2654.

#### COM 2655 - Introduction to Live TV Production (4)

Basics of production and recording video in a live television studio as well as basics of camera operation and the roles of professionals on the floor and the control room.

#### COM 2656 - Introduction to Digital Media Production (4)

Editing video content for digital media. Shooting and production of video content for social media and traditional broadcasting formats using both HD cameras and cellphones. Non-Linear video editing techniques.

#### COM 2702 - Performance Communication (4)

Foundations, history, and theory of performance communication. Particular attention given to how cultural processes and practices influence performance.

#### COM 3000 - Relational Communication Theory (4)

Survey of major theoretical approaches to the study of relational communication. Includes overview of history, paradigmatic assumptions, and current research. Examines individually-centered theories, discourse and interaction processes, and interpersonal theories.

Prerequisite(s): COM 1000 or permission of instructor or public relations major standing; sophomore standing.

**COM 3002 - Cultural Theory in Communication (4)**

Theoretical underpinnings of cultural studies, situated within communication studies. Embodied performance, discourse, and message construction will be the primary grounds of theorizing. Application of theories to socio-cultural issues and communicative processes.

Prerequisite(s): COM 1000 with a grade of (C) or higher or public relations major standing or permission of instructor.

**COM 3003 - Media and Mass Communication Theory (4)**

Major theoretical approaches to the study of media and mass communication. Includes overview of history, paradigmatic assumptions and current research. Examines sub-disciplines and related essential distinctions between humanistic and social scientific approaches.

Prerequisite(s): COM 1000 with a grade of (C) or higher or public relations major standing or permission of instructor.

**COM 3080 - Competitive Speaking (2)**

Advanced practice and application of speech writing, public address and oral interpretation skills using many of the standards established by the National Forensics Association. May be repeated for up to 6 credits.

Prerequisite(s): permission of instructor.

**COM 3200 - Persuasion (4)**

Analysis of persuasion in current society, psychological bases of persuasion, ethical considerations, and distinctions between debate and persuasive argument.

**COM 3201 - Rhetorical Theory (4)**

Examination of major theories of rhetoric from classical to contemporary times.

Prerequisite(s): COM 1000 with a grade of (C) or higher or public relations major standing or permission of instructor.

**COM 3202 - Discourse Theory (4)**

Theories of discourse including critical discourse analysis and discursive psychology. Methods of discourse analysis in communication. Relation of discourse to communication..

**COM 3300 - Multicultural Communication (4)**

Relationships among culture, communication and perception, and how these relationships are manifested in our daily interactions among people who are racially, ethnically and sexually different from us. Students learn communication practices necessary to create understanding in intercultural encounters. Satisfies the university general education requirement in U.S. diversity. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both.

Prerequisite(s): junior standing. Completion of the university writing foundation requirement.

**COM 3301 - Race and Communication (4)**

Examines the ways communication practices shape and are shaped by racialized identities. Explores identity formation through domains of interpersonal communication, institutional discourse, political rhetorics, cultural performances, educational pedagogies, and religious perspectives.

**COM 3400 - Relational Communication (4)**

Examination of the roles of communication, identity, and sexuality in the development, maintenance, and deterioration of relational attachments. Satisfies the university general education requirement in the social science knowledge exploration area.

**COM 3401 - Communication in Organizations (4)**

Communication theory and practice within organizational systems.

**COM 3402 - Communication in Leadership (4)**

Examines the communication qualities of leadership in various contexts including decision-making teams, groups and organizations. Consideration of major theoretical approaches to leadership and applied skills and practices.

**COM 3403 - Interpersonal Conflict (4)**

Examines the role of conflict in interpersonal interaction. Emphasis is on the factors which contribute to the negotiation of conflict.

**COM 3404 - Nonverbal Communication (4)**

Analyzes the effects of nonverbal communication on human interaction in the interpersonal setting.

**COM 3405 - Gender Communication (4)**

Explores the relationships between gender and communication strategies and settings. The course examines how gender is experienced and how individuals learn to manage the dynamic of gender in interpersonal interaction and public discourse. Satisfies the university general education requirement in U.S. diversity. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

**COM 3406 - Listening in Communication (2)**

Examination of the differences between hearing and listening in responsible communication. Identifies barriers to effective listening and explores ways to manage them. Different listening skills appropriate for diverse types and purposes of listening are identified and examined.

**COM 3407 - Women in Leadership (4)**

Exploration of the impact of gender on our perception and understanding of women in leadership. Theories of gender, power, identity formation, verbal and nonverbal communication, perception and

leadership will form a foundation for understanding the contemporary narratives that impact women who seek or hold positions of authority.

COM 3601 - Communication, Mobile Media, and the Internet (4)

Examines the relationship between communication practices and the networked technologies of the Internet and mobile media, including their impact on politics, commerce, knowledge, privacy, and interpersonal relationships. Focus on the popular practices of search engines, video sharing services, texting, and social media sites.

COM 3602 - Television Studies in the Digital Age (4)

Examination of the relationships between media technologies, institutions, cultural forms and audiences within contemporary convergence culture. The focus is on how traditional forms of mass media texts, particularly television, have been impacted by new technologies and how such shifts reconfigure our understanding of media audiences/consumers.

COM 3603 - Critical Approaches to Popular Music (4)

Draws on core concepts from media and cultural studies to understand and analyze popular music's relationship to social and culture production. Key debates discussed include cities, technologies, gender and sexuality.

COM 3606 - Media, Gender and Sexuality (4)

Examines the relationship between media and cultural ideas about gender and sexuality. Emphasis on the ways that media institutions, texts, and audiences construct, negotiate, and interpret changing concepts about masculinity, femininity, and sexual preference. Identical with WGS 3827.

COM 3607 - Rise of Electronic Media (4)

Examines the development of the technologies, institutions, regulations, cultural forms, and audiences of electronic media. Considers the ways in which media was both shaped by and was a force in changing cultural and social conditions. Satisfies the university general education requirement in Western civilization knowledge exploration area.

COM 3650 - Advanced Audio Production (4)

Advanced skills in studio and remote audio production, editing, and programming. Identical with JRN 3840.

Prerequisite(s): COM 2654

COM 3660 - Community Radio (4)

The study of community service and community voice. Students plan, develop, produce, edit, and program community relevant content for broadcast on WAHS, Auburn Hills.

COM 3900 - Special Topics in Communication (4)

Various topics in communication theory and practice chosen by department faculty. May be repeated for additional credit under different subtitles.

COM 4200 - Rhetorical Criticism in Communication (4)

Examines research methods used in rhetorical criticism from traditional to contemporary approaches. Provides principles for the analysis, interpretation, and evaluation of persuasive discourse. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): COM 1000 with a grade of (C) or higher or permission of instructor.

COM 4203 - Women, Power, and Persuasion (4)

Survey of women's contributions to the rhetorical tradition from classical antiquity to the present.

Prerequisite(s): COM 1000 or WGS 1000 with a grade of (C) or higher.

COM 4300 - Hip-Hop, Race and the City (4)

Examines the spread of hip-hop as an international popular culture idiom around the globe, articulating struggles over identity and gender, sexuality and race ecology and place in a world of ever accelerating change.

COM 4301 - Cultural Studies in Communication (4)

History, theoretical frameworks and applied studies emergent in cultural studies from a communication driven perspective. Students will explore the relationships among communication practices, cultural forms and politics within and among cultures.

Prerequisite(s): COM 3300 with a grade of (C) or higher; COM 3000 highly recommended.

COM 4302 - Communication, Culture, and Ecology (4)

Explores the foundations of communication in living ecologies that sustain human communities on the planet. Examines differing narratives and cultural assumptions regarding nature, human being, and what counts for communication. Seeks creative ways to address global ecological challenges through transformed communication perspectives and practices.

Prerequisite(s): COM 3300 with a grade of (C) or higher or permission of instructor.

COM 4400 - Advanced Relational Communication (4)

Advanced current research and theories in relational communication. Shows how communication is the force behind the initiation, development, maintenance, and deterioration of interpersonal relationships.

Prerequisite(s): COM 3000 or COM 3400

COM 4401 - Family Communication (4)

Introduction to communication in family settings. Major theoretical perspectives on family communicative practices including analysis of members' verbal and nonverbal interactions. Major themes include the process by which family communication is maintained, enhanced or disturbed.

**COM 4402 - Health Communication (4)**

Theory, research, and practice relevant to health communication. Topics include the role of communication in general models of health and illness, the relationship between patients and healthcare providers, social support, and health campaigns.

**COM 4403 - Advanced Nonverbal Communication (4)**

Advanced topics and readings in nonverbal communication. Students will read and critique nonverbal communication research and theories on topics such as deception, immediacy, and expectancy violations across communication contexts, including romantic, workplace, and classroom.

Prerequisite(s): COM 3401, COM 3400, COM 3403, COM 3404, or COM 3405 and minimum sophomore standing.

**COM 4499 - The Dark Side of Interpersonal Communication (4)**

Explores the dark side of interpersonal communication. Students will gain an understanding of the dark side metaphor and examine the many ways in which dysfunctional interpersonal communication operates across a variety of personal relationship contexts. Topics include deception, hurtful transgressions, infidelity, teasing and bullying, and avoidance and secrets.

Prerequisite(s): COM 3400, sophomore standing.

**COM 4600 - Media Criticism (4)**

Examines the methodological and theoretical perspectives used in media criticism. Provides an overview of the methods used to analyze, interpret, and evaluate the meaning and impact of mediated discourse.

**COM 4601 - Theory and Practice of Media Literacy Outreach (4)**

Exploration of the theory and practice of media literacy as community outreach. Students explore scholarly and public debates about the social influence of media. Course is based around a service-learning model that empowers students to translate and promote the theoretical concepts of media literacy in the community.

Prerequisite(s): COM 1000 with a grade of (C) or higher.

**COM 4602 - Sexuality and Communication (4)**

Concepts and theories related to communication and sexuality, such as relationships, abilities, sexual literacy, sexual identities, sexual practices, sex representations, and social control of sexuality, with particular emphasis on LGBTQ relationship experiences.

Prerequisite(s): WRT 1060 or equivalent and junior or senior standing.

**COM 4656 - Advanced Digital Media Production (4)**

Practicum in digital media storytelling and production. Advanced production and editing of video and HD content for digital media. Emphasis on storytelling with theory as a framework.

Prerequisite(s): COM 2656

**COM 4702 - Advanced Performance Communication (4)**



Advanced study of the history, theory and practice of oral interpretation. Focus is on narration and the aesthetic and emotional responsiveness of the communicative voice in prose and poetry.

Prerequisite(s): COM 2702

#### COM 4900 - Special Topics Seminar (4)

Group study of topics of special interest chosen by department faculty and students. May be repeated for credit with the instructor's permission.

Prerequisite(s): three COM courses.

#### COM 4901 - Senior Research Seminar (4)

Faculty-directed research seminar provides an overview of communication research and introduce students to basic research procedures, paradigms, and methods. Topics will vary by instructor. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): COM 3000, COM 3002, COM 3003, or COM 3201, with a grade of C or higher required for COM majors; at least 20 credits of COM courses; JRN 2000 or WRT 3064 or WRT 3082; or permission of instructor.

#### COM 4930 - Community Field Experience (4)

Faculty approved field experience in volunteer community service. Focus on developing an understanding of the relationship between communication and community with readings, essays, response papers, and in-class presentations and discussion. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): COM 3000 or COM 3002 or COM 3003 or COM 3201, with a grade of C or higher required for COM majors; at least 20 credits of COM courses; and JRN 2000 or WRT 3064 or WRT 3082; or permission on instructor.

#### COM 4950 - Internship (4)

Supervised student internship in business, broadcasting, government, or non-profit organizations. Reports and analyses of work performed at the organization required. Prior approval required. May be repeated once in a different setting for a maximum of eight internship credits. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): COM 3000 or COM 3002 or COM 3003 or COM 3201 with a grade of C or higher for COM majors, and at least 20 credits of COM courses; JRN 2000 or WRT 3064 or WRT 3082; or permission of instructor.

#### COM 4995 - Research Apprenticeship in Communication (2 OR 4)

Mentorship by an instructor in design and implementation of a faculty-directed research project. May be repeated for a total of eight credits. Only four credits may be used to fulfill major requirements. Prerequisite(s): junior or senior standing and permission of instructor.

COM 4996 - Independent Study (1 TO 4)

Special research projects in speech communication. May be repeated for a maximum of 8 credits. Prerequisite(s): junior or senior standing. 12 previous credits in the major, permission of instructor and completion of course application form.

COM 4997 - College Teaching Apprenticeship (2 OR 4)

Assisting in teaching an undergraduate course in speech communication, and discussions with the supervising faculty member on the principles, methods and problems of such teaching. Repeatable in different settings up to 4 credits.

Prerequisite(s): junior standing and permission of instructor.

JRN 2000 - Introduction to Journalism and News Writing (4)

History and principles of U.S. journalism; training in the practical aspects of news gathering, interviewing and basic news writing techniques; and discussion of the various journalism media. Satisfies the university general education requirement for writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications: completion of the general education requirement in the writing knowledge foundation area.

JRN 2400 - Introduction to Advertising (4)

Introduction to advertising in print, electronic and online media. Emphasis on marketing, strategy, and the social and legal environment.

JRN 2650 - Intro to Media Communication (4)

Identical with COM 2650

JRN 2654 - Audio Production (4)

Analysis and evaluation of contemporary audio/radio production and programming introduction to writing, producing, and performing audio programming. Identical with COM 2654.

JRN 3000 - Advanced News Writing and Editing (4)

Advanced training in news writing and various news story types. Fundamentals of editing news and information for online and print publication, including journalistic grammar and style, and decision-making processes that determine what is published.

Prerequisite(s): JRN 2000

JRN 3110 - Public Affairs Reporting (4)

Practical training in the news coverage of government and government agencies, including schools, public safety and the courts.

Prerequisite(s): JRN 2000 or permission of instructor.

#### JRN 3120 - Feature Writing (4)

Practice in writing human interest features for newspaper, magazine and online publication. Study of the aims, styles, categories, techniques and structures of feature writing.

Prerequisite(s): JRN 2000 or permission of instructor.

#### JRN 3130 - Magazine Writing and Freelancing (4)

Practical training in writing magazine-length articles. Discussion of medium-specific differences, how to write and sell freelance pieces, legal liabilities and rights of the freelance writer, including a discussion of the U.S. copyright laws.

Prerequisite(s): JRN 3120

#### JRN 3140 - Sports Reporting (4)

Writing sports for both print and electronic media. Emphasis on writing and interviewing, from teaching the proper techniques of conducting individual interviews to covering large press conferences. Students will conduct real-world interviews as well as cover local sporting events. Various Detroit-area sports media personnel will lecture and share experiences.

Prerequisite(s): JRN 2000

#### JRN 3290 - Digital Storytelling for the Media: Diversity, Identity, and Community (4)

Examination of the relationship between journalism, media institutions, digital technologies, identity, and community - especially in relation to ethnicity, race, gender, and class. Study of digital citizenship with application in the assembly of non-fiction digital media content, using a variety of software. Satisfies the university general education requirements in U.S. Diversity. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

#### JRN 3310 - Digital Photojournalism (4)

Practice of photojournalism in the contemporary digital environment. Visual storytelling, camera operation, digital processing, professional/ethical issues.

Prerequisite(s): JRN 2000 or permission of instructor.

#### JRN 3330 - Digital TV News (4)

Practical application of TV reporting, writing, editing, producing and anchoring skills. Student-produced news reports and newscasts are published on a variety of platforms.

Prerequisite(s): COM 2656

#### JRN 3410 - Advertising Account Planning and Research (4)

Focus on the strategic aspects of advertising and integrated marketing communications (IMC), development of media strategy, sales promotion and the new media.

Prerequisite(s): JRN 2400 or permission of instructor.

#### JRN 3420 - Advertising Creative Strategy (4)

Practical application of creative strategy towards the development of a complete advertising campaign in an ad agency group format.

Prerequisite(s): JRN 2400

#### JRN 3440 - Advertising Copywriting (4)

The planning, research and writing that goes into promotion of a company, product or person as part of an advertising campaign.

Prerequisite(s): JRN 2400

#### JRN 3840 - Advanced Audio Production (4)

Identical with COM 3650.

Prerequisite(s): JRN 2654 or COM 2654

#### JRN 4020 - Ethical Issues in the Media (4)

Study of ethics with an emphasis on problems that arise in digital, broadcast and print news, public relations and advertising. Students learn to identify ethical dilemmas, discuss basic principles for ethical decision-making, and build strategies for applying those principles.

Prerequisite(s): JRN 2000 or instructor permission.

#### JRN 4030 - Media Law (4)

Introduction to media law, basic principles governing the American judicial system, historical context for First Amendment issues and analysis of key legal decisions governing the media's right to gather and disseminate information. Students discuss issues dealing with prior restraint, libel law, invasion of privacy, protection of news sources, obscenity law, copyright law and FCC regulations.

Prerequisite(s): JRN 2000 or instructor permission.

#### JRN 4100 - Multimedia Journalism (4)

Multimedia storytelling through an introduction to a variety of software programs and digital applications. Students create websites, podcasts, slideshows and short videos, and participate in crowdsourcing, (micro) blogging and citizen journalism projects.

Prerequisite(s): JRN 2000 or instructor permission.

#### JRN 4120 - OU Student News Bureau (4)

Applied learning experience running a web-based news organization. Students learn how to research, report, edit and package multimedia news for online delivery. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university

general education requirement for the capstone experience.

Prerequisite(s): JRN 2000 and JRN 3000 and permission of instructor.

#### JRN 4200 - Media Design (4)

Workshop in design to explore techniques and trends in typography, layout and design in traditional and new media. Students learn the theory and practice of text-heavy print and digital projects designed to communicate with specific audiences in a diverse society.

Prerequisite(s): JRN 2000 or instructor permission.

#### JRN 4210 - Advanced Media Design (4)

Advanced skills and trends in typography, layout and design in traditional and new media culminating in the exhibition of a multi-faceted body of work. Final project must include a significant graphic component as well as a substantive writing element.

Prerequisite(s): JRN 4200 and permission of instructor.

#### JRN 4350 - Video Documentary Journalism (4)

Assembly of short- and long-form documentary journalism for traditional and non-traditional visual media. Students report, shoot, edit, and package video and multimedia stories in a range of storytelling styles, including investigative, historical, or biographical. Emphasis not only on the story, but on the storytelling.

Prerequisite(s): JRN 3330 or permission of instructor.

#### JRN 4900 - Special Topics in Journalism (4)

Various topics subject to change from semester to semester. May be repeated for additional credit under different subtitles.

Prerequisite(s): JRN 2000 or instructor permission.

#### JRN 4950 - Journalism Internship (4)

Full- or part-time internship at a newspaper, online news organization, radio or television station, public relations firms, advertising agency or a non-profit organization. Open only to journalism majors and minors. May be repeated once for credit in a different medium. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): JRN 2000 and three other JRN courses.

#### JRN 4996 - Independent Study (2 OR 4)

Individual research projects in journalism. May be repeated for a maximum of 8 credits.

Prerequisite(s): junior/senior standing and permission of program director.

#### PR 2500 - Introduction to Public Relations (4)

Overview of the practices of public relations and its potential impact on various audiences. Study of basic public relation writing formats and management functions related to key external and internal publics.

Prerequisite(s): JRN 2000 or instructor permission

#### PR 2510 - Public Relations Writing (4)

Focus on various types of public relations writing styles and formats. Examination of the research, planning and delivery process for communication directed at targeted publics. Practice in both informative and persuasive writing, including news releases, pitch letters, blogs, PSAs, newsletters, brochures, and speeches.

Prerequisite(s): JRN 2000 and PR 2500; major standing or instructor permission.

#### PR 2700 - Introduction to Research Methods in Public Relations (4)

Provides a critical understanding and application of quantitative and qualitative methods used in the strategic planning and evaluation of public relations. Introduction to scientific inquiry and ethics; research design and various data collection techniques; and basic techniques for data analysis.

Prerequisite(s): JRN 2000 and PR 2500, major standing; or instructor permission.

#### PR 3400 - Case Studies in Public Relations (4)

Study of real-life public relations efforts of various companies and organizations. Students take on the role of public relations practitioners for a fictitious organization and develop public relations goals, objectives, tactics and programs to deal with situations that affect the organization.

Prerequisite(s): PR 2500

#### PR 3510 - External Public Relations (4)

Study of public relations related to an organization's external audiences such as the news media and local, state and national government officials. Students study public relations strategies used to interact with these groups, including media relations, legislative lobbying and special events.

Prerequisite(s): PR 2500

#### PR 3520 - Internal Public Relations (4)

Study of public relations related to internal audiences of an organization. In-depth discussion of the shaping of internal culture via public relations vehicles such as publications, general memos, video, new/social media, and face-to-face employee communications.

Prerequisite(s): PR 2500

#### PR 3530 - Public Relations and the News (4)

Study of the relationship between public relations practitioners and the news media. Students focus on understanding the differing needs of the news media and how to create and implement various public relations vehicles to reach target audiences through the media.

Prerequisite(s): PR 2500

# Department of English

544 O'DOWD HALL  
(248) 370-2250  
Fax: (248) 370-4429

Chairperson: Kevin Laam

Distinguished professors emeriti: Jane D. Eberwein, Robert T. Eberwein, Edward Haworth Hoepfner

Professors emeriti: Brian Connery, Thomas Fitzsimmons, Daniel Fullmer, Nigel Hampton, James F. Hoyle, Nancy Joseph, David W. Mascitelli, Donald E. Morse, Brian F. Murphy, Joan G. Rosen, William Schwab

Professors: Natalie Bell Cole, Andrea Eis, Graeme Harper, Niels Herold, Kathleen A. Pfeiffer

Associate professors: Robert F. Anderson, Jeffrey Chapman, Kyle Edwards, Joanne Lipson Freed, Annette M. Gilson, Kevin T. Grimm, Jeffrey Insko, Andrea Knutson, Kevin Laam, L. Bailey McDaniel, M. Hunter Vaughan

Assistant professors: Timothy Donahue, Adam Gould, Katie Hartsock, Brendan Kredell, Susan McCarty, Megan Peiser, Alison W. Powell, Justin Reifert, David Shaerf, Amanda Stearns-Pfeiffer

Special instructor: Rachel Smydra

Lecturers: Christopher Apap, Susan Beckwith, Jonathan Chappell, Jennifer Gower-Toms, Nathan Koob, Peter Markus, Charlene Meyers, Doris Plantus, Amy Pollard

English adviser: Robert F. Anderson

STEP adviser: Amanda Stearns-Pfeiffer

Cinema studies director: Andrea Eis

Cinema studies adviser: Andrea Eis

Creative writing director: Annette M. Gilson

Creative writing adviser: Annette M. Gilson

The Department of English offers undergraduate degree programs in English, Creative Writing, and Cinema Studies. For complete details concerning the English, B.A., the Creative Writing, B.A., or the Cinema Studies, B.A. programs, click on the appropriate link. The Department encourages majors to balance their programs with such concentrations as American Studies or Linguistics, or minors or second majors in other disciplines.

The English B.A. program offers courses in British, American, and other Anglophone literatures, introducing students to literary history, genre studies, critical theory, and intensive study of major authors. By majoring in English, students can enhance appreciation of literary texts, gain critical understanding of imaginative writing, and develop sensitivity to the uses of language while developing skills in analysis, research, and communication. Such knowledge enriches all aspects of life, while such skills prepare students for careers in law, business, publishing, medical professions, library science, journalism, government, and education. The English curriculum is flexible; by seeking regular departmental advice and pursuing internship opportunities offered by the department, English students can plan a program leading to many different personal, professional, and academic goals. Through the Secondary Teacher Education Program (STEP), students earn an English B.A. while completing their program leading to recommendation for teacher certification.

The Creative Writing B.A. is designed to help students develop their writing skills and to introduce them to literature and dramatic forms in the genres that interest them. To that end, we offer students a wide variety of workshop courses in the genres of fiction, poetry, dramatic writing, and literary nonfiction. The small size of the workshop classes allows students to present their writing to fellow students for critique in a supportive environment, and also trains them to offer feedback to their fellow writers. Students specialize in one of four genre tracks and take introductory, intermediate, and advanced workshops in that genre, but are also encouraged to explore other genres so that they can experiment with the different conventions that inform each of the modes of creative writing. Students are also required to take a variety of literature and film classes to develop their analytical skills and to introduce them to contemporary work in their focal genre. Through both writing and reading classes, students emerge with a nuanced sense of their own voices, and through the many internships we offer with businesses, nonprofits, and literary journals, students also gain practical experience that allows them to go on to careers wherein they use their writing skills in a wide variety of professional settings. Many alumni also go on to do M.F.A.s and Ph.D.s in creative writing, and are well-prepared to do advanced work in this competitive field.

Cinema Studies at Oakland University is dedicated to interdisciplinary and creative investigations of how moving image works are produced, experienced, and valued in our culture and around the world. Cinema Studies students work closely with OU faculty to gain a thorough understanding of film history, critical approaches to film, and filmmaking. Students choose either the B.A. in Cinema Studies, with its focus on a critical studies perspective, or the B.A. in Cinema Studies with a Specialization in Filmmaking. These wide-ranging and intensive programs, along with a variety of internship opportunities, will



provide Cinema Studies majors and minors with the critical-thinking, communication, and production skills to enter careers within the film industry and a variety of other professions. In addition, students will be well prepared to pursue cinema studies or other academic disciplines at the graduate level.

For a description of each semester's course offerings, students should consult the "Semester Course Descriptions," available in pre-registration periods through the department's web site. Faculty advisers provide specific guidance and help students develop comprehensive educational plans. Students should consult their advisers regularly.

Listed are undergraduate programs of study leading to the Bachelor of Arts degree with a major in English, a secondary education major in English (STEP), a modified major in English with a Linguistics concentration, a major in Creative Writing, a major in Cinema Studies, as well as liberal arts minors in English, English in secondary teaching, Creative Writing, and in Cinema Studies. In addition, the Department offers a program leading to the Master of Arts degree in English; the program and course offerings are described in the online Oakland University Graduate Catalog.

### **Departmental honors and scholarships**

Program honors may be awarded to graduating majors for outstanding achievement in their respective fields.

The department awards several scholarships, including: the Doris J. Dressler Scholarship to an English or humanities major (junior year or beyond) demonstrating academic promise and financial need; the Roger M. and Helen Kyes Scholarship to an outstanding English major; the Eva L. Otto Scholarship for an outstanding nontraditional student majoring in English or other humanities area; and the Jenna Elyse Balabuch Memorial Study-Abroad Award, for English majors planning to study abroad. Information is available in the department office. The deadline for applications will normally be April 1.

### **Programs**

- American Studies Concentration
- Cinema Studies Minor
- Cinema Studies, B.A.
- Cinema Studies, B.A., Specialization in Filmmaking
- Creative Writing Minor
- Creative Writing, B.A., Specialization in Fiction
- Creative Writing, B.A., Specialization in Literary Nonfiction
- Creative Writing, B.A., Specialization in Poetry
- Creative Writing, B.A., Specialization in Screenwriting
- English Minor

- English Secondary Teaching Minor
- English, B.A.
- English, STEP

### **American Studies Concentration**

Coordinator: Jeffrey Insko

Executive Committee: Graham Cassano (Sociology), Todd A. Estes (History), Jeffrey Insko (English), Andrea Knutson (English), Kathleen Pfeiffer (English)

Affiliated Faculty: Daniel J. Clark (History), John Corso (Art History), David Dulio (Political Science), Joanne Lipson Freed (English), Diane Hartmus (Political Science), L. Bailey McDaniel (English), Karen A.J. Miller (History), Roger Larocca (Political Science), Teri Towner (Political Science)

The American studies concentration provides both a broad understanding of the American experience and an introduction to the practice of focused interdisciplinary study. The concentration is taken in addition to a departmental major. By electing departmental courses with an American focus in two or three areas outside the major and framing the concentration with two interdisciplinary American studies courses, students may expect to gain a coherent sense of the national experience and appreciate the various contributions of different academic disciplines.

Although not a vocationally directed program, the American studies concentration should be of particular interest to students preparing for careers in law, government and journalism, and those planning graduate work in American studies or any of its contributing disciplines.

The concentration requirements are listed below. Students interested in pursuing this concentration should file a plan of study with the coordinator.

#### Required courses

AMS 3000 - Topics in American Culture (4)

AMS 4998 - Senior Project (4)

One course in anthropology

One American history course at the 3000 level

Three electives from the list of recommended departmental electives, with no more than two taken from any one department's offerings and at least one representing a field or fields outside the student's major

## Recommended departmental electives

### Art and art history

AH 3430 - Art Since 1960 (4)

AH 3650 - American Art (4)

AH 3651 - African-American Art (4)

AH 3652 - Michigan Architecture (4)

### English

ENG 1500 - Literature of Ethnic America (4)

ENG 3400 - Early American Literature (4)

ENG 3410 - American Literature 1820-1865 (4)

ENG 3420 - American Literature 1865-1920 (4)

ENG 3430 - American Literature 1920-1950 (4)

ENG 3510 - Selected Ethnic Literature (4)

ENG 3520 - African American Literature (4)

ENG 3902 - Issues in American Literature (4)

### History

HST 1100 - Introduction to American History Before 1877 (4)

HST 1200 - Introduction to American History Since 1877 (4)

HST 2280 - History of the African-American People (4)

HST 3110 - History of the North American Colonies (4)

HST 3120 - The American Revolution (4)

HST 3125 - The U.S. Early National Period, 1787-1815 (4)

HST 3130 - Jacksonian America (4)

HST 3135 - The Development of Political Practices in Early America (4)

HST 3140 - History of the American South (4)

HST 3145 - The Civil War and Reconstruction, 1850-1876 (4)

HST 3200 - American History, 1876-1900 (4)

HST 3202 - American History, 1900-1928 (4)

HST 3204 - American History, 1928-1945 (4)

HST 3225 - History of American Mass Media (4)

HST 3265 - Women in Modern America (4)

HST 3270 - History of American Cities (4)

HST 3275 - History of American Families (4)

HST 3285 - History of African-American Women (4)

HST 3288 - Topics in African American History (4)

## Music

MUS 1005 - Foundations of Rock (4)

MUS 1007 - Exploring Jazz (4)

## Political science

PS 1100 - Introduction to American Politics (4)

PS 3020 - American Political Thought (4)

PS 3105 - Congress and the Legislative Process (4)

PS 3115 - The Judicial Process (4)

PS 3130 - Local Government and Politics (4)

PS 3135 - State Politics (4)

PS 3160 - Media and Politics (4)

PS 3165 - Elections and Voting Behavior (4)

PS 3170 - Political Campaigns (4)

PS 3205 - American Political Culture (4)

PS 3215 - The Politics of Race and Ethnicity (4)

PS 3255 - U.S. Constitutional Law (4)

PS 3260 - Civil Rights and Civil Liberties (4)

## Sociology/anthropology

AN 3260 - Peoples and First Nations of North America (4)

AN 3450 - Archaeology of North America (4)

SOC 1000 - Introduction to Sociology (4)

SOC 2200 - Current Social Problems (4)

SOC 3220 - Social Welfare Policies (4)

SOC 3610 - Racial and Ethnic Relations (4)

SOC 3820 - Social Control of Mass Media (4)

## Notes

Some 3000- and 4000-level topics courses offered by contributing departments may also be included in the concentration, with permission of the American studies coordinator.

Students majoring in anthropology or history should be aware that no more than 8 credits may be counted toward both the major and a concentration.

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

## Cinema Studies Minor

Requirements for the liberal arts minor in cinema studies

A minimum of 24 credits in Cinema Studies courses is required, to be distributed as shown below. At least 16 credits from offerings in Cinema Studies must be taken at Oakland. Only courses in which a student has earned a grade of C may be counted toward the Cinema Studies minor.

1. One introductory-level course selected from

CIN 1150 - Introduction to Film (4)

CIN 2100 - Film and Formal Analysis (4)

2. One required course

CIN 2150 - Methods of Screen Criticism (4)

3. Two courses in film history selected from

CIN 3200 - History of Film: The Silent Era (4)

CIN 3210 - History of Film: The Sound Era to 1958 (4)

CIN 3220 - History of Film: The New Wave and Beyond (4)

CIN 3230 - History of Film: Into the 21st Century (4)

4. One course in cinema studies electives selected from

AN 3140 - Culture and Society Through Film (4)

CIN 1600 - Introduction to Filmmaking (4)

CIN 2320 - Masterpieces of World Cinema (4)

CIN 2600 - Form and Meaning in Filmmaking (4)

CIN 3150 - Film Theory and Criticism (4)

CIN 3300 - Studies in Documentary Film (4)

CIN 3305 - Adaptation: Fiction, Drama, Film (4) or ENG 3675 - Adaptation: Fiction, Drama, Film (4)

CIN 3310 - Experimental and Avant-Garde Film (4)

CIN 3320 - National Cinemas and Film Cultures (4)

CIN 3330 - Understanding Media Industries (4)

CIN 3610 - Documentary Filmmaking (4)

CIN 3620 - Narrative Filmmaking (4)

CIN 3630 - Experimental Filmmaking (4)

CIN 3640 - Design, Motion, Effects (4)

CIN 3650 - Essay Filmmaking (4)

CIN 3660 - Short Form Filmmaking (4)

CIN 3900 - Topics in Film History, Industry, and Technology (4)

CIN 3901 - Topics in Film Genres (4)

CIN 3902 - Topics in Film Authors, Authorship, and Aesthetics (4)  
 CIN 3905 - Topics in Film (4)  
 CIN 3906 - Topics in Filmmaking (2 or 4)  
 CIN 4900 - Advanced Topics in Film (4)  
 CIN 4901 - Advanced Topics in Film Theory (4)  
 CIN 4910 - Study Abroad (4)  
 COM 3606 - Media, Gender and Sexuality (4)  
 COM 3607 - Rise of Electronic Media (4)  
 CW 2400 - Intro to Screen/TV Writing (4)  
 CW 3400 - Screenwriting (4)  
 LIT 2905 - Studies in Foreign Film (4)  
 PS 3240 - Politics Through Film (4)

5. One additional non-filmmaking CIN elective at the 3000- or 4000- level

CIN 3150 - Film Theory and Criticism (4)  
 CIN 3200 - History of Film: The Silent Era (4)  
 CIN 3210 - History of Film: The Sound Era to 1958 (4)  
 CIN 3220 - History of Film: The New Wave and Beyond (4)  
 CIN 3230 - History of Film: Into the 21st Century (4)  
 CIN 3300 - Studies in Documentary Film (4)  
 CIN 3305 - Adaptation: Fiction, Drama, Film (4)  
 CIN 3310 - Experimental and Avant-Garde Film (4)  
 CIN 3320 - National Cinemas and Film Cultures (4)  
 CIN 3330 - Understanding Media Industries (4)  
 CIN 3900 - Topics in Film History, Industry, and Technology (4)  
 CIN 3901 - Topics in Film Genres (4)  
 CIN 3902 - Topics in Film Authors, Authorship, and Aesthetics (4)  
 CIN 4900 - Advanced Topics in Film (4)  
 CIN 4901 - Advanced Topics in Film Theory (4)

**Cinema Studies, B.A.**

O'Dowd Hall, Room 544  
 586 Pioneer Drive  
 Rochester, MI 48309-4482

The B.A. in Cinema Studies is a liberal arts-based program in film history, theory, and criticism, including coursework in film genres, aesthetics, industry and technology, filmmaking and screenwriting, as well as advanced seminars. It culminates in a capstone course in which students do substantive research and writing on topics ranging from eco-cinema to Hollywood stardom, from Detroit media to audience and reception theory.

The B.A. in Cinema Studies with a specialization in filmmaking is a liberal arts-based B.A. including a solid foundation in film history and theory and a specialized sequence of filmmaking courses. The broad-based approach gives students hands-on experience with every aspect of narrative, documentary, essay, short-form and experimental filmmaking, from writing scripts, directing and cinematography to editing and post-production effects work. It culminates in an intensive capstone course that enables students to graduate having produced a substantive thesis film project.

Program honors

Departmental honors may be awarded to graduating cinema studies majors for outstanding achievement.

Requirements for the liberal arts major in cinema studies, B.A.

The Cinema Studies major shall require a total of 48 credit hours. Only 16 transfer credits may be counted towards the Cinema Studies major. Only courses in which the student has earned a grade of C may be counted towards the Cinema Studies major.

1. One introductory-level course selected from

CIN 1150 - Introduction to Film (4)

CIN 2100 - Film and Formal Analysis (4)

2. Two required courses

CIN 1600 - Introduction to Filmmaking (4)

CIN 2150 - Methods of Screen Criticism (4)

3. Two courses in film history selected from

CIN 3200 - History of Film: The Silent Era (4)

CIN 3210 - History of Film: The Sound Era to 1958 (4)

CIN 3220 - History of Film: The New Wave and Beyond (4)

CIN 3230 - History of Film: Into the 21st Century (4)

4. One additional course in cinema studies electives selected from

CIN 2600 - Form and Meaning in Filmmaking (4)

CIN 3330 - Understanding Media Industries (4)

CW 3400 - Screenwriting (4)

5. Four courses in cinema studies electives selected from

AN 3140 - Culture and Society Through Film (4)  
 CIN 2320 - Masterpieces of World Cinema (4)  
 CIN 2600 - Form and Meaning in Filmmaking (4)  
 CIN 3150 - Film Theory and Criticism (4)  
 CIN 3200 - History of Film: The Silent Era (4)  
 CIN 3210 - History of Film: The Sound Era to 1958 (4)  
 CIN 3220 - History of Film: The New Wave and Beyond (4)  
 CIN 3230 - History of Film: Into the 21st Century (4)  
 CIN 3300 - Studies in Documentary Film (4)  
 CIN 3305 - Adaptation: Fiction, Drama, Film (4) or ENG 3675 - Adaptation: Fiction, Drama, Film (4)  
 CIN 3310 - Experimental and Avant-Garde Film (4)  
 CIN 3320 - National Cinemas and Film Cultures (4)  
 CIN 3330 - Understanding Media Industries (4)  
 CIN 3610 - Documentary Filmmaking (4)  
 CIN 3620 - Narrative Filmmaking (4)  
 CIN 3630 - Experimental Filmmaking (4)  
 CIN 3640 - Design, Motion, Effects (4)  
 CIN 3650 - Essay Filmmaking (4)  
 CIN 3660 - Short Form Filmmaking (4)  
 CIN 3900 - Topics in Film History, Industry, and Technology (4)  
 CIN 3901 - Topics in Film Genres (4)  
 CIN 3902 - Topics in Film Authors, Authorship, and Aesthetics (4)  
 CIN 3905 - Topics in Film (4)  
 CIN 3906 - Topics in Filmmaking (2 or 4) \*  
 CIN 4900 - Advanced Topics in Film (4)  
 CIN 4901 - Advanced Topics in Film Theory (4)  
 CIN 4910 - Study Abroad (4)  
 CIN 4930 - Field Internship in Cinema Studies (1 TO 4) \*  
 CIN 4996 - Independent Study (1 TO 4) \*  
 COM 3606 - Media, Gender and Sexuality (4)  
 COM 3607 - Rise of Electronic Media (4)  
 CW 3400 - Screenwriting (4)  
 LIT 2905 - Studies in Foreign Film (4)  
 PS 3240 - Politics Through Film (4)

\*To count as an elective course toward this requirement, CIN 3906, CIN 4930, or CIN 4996 must be taken for a total of 4 credits; or, CIN 3906, CIN 4930, and/or CIN 4996 may be taken for 2 credits each to satisfy a single 4-credit elective. Two-credit CIN 3906 courses may not be used to satisfy more than one 4-credit elective.



Note: No more than two non-CIN designated courses in this category may be counted toward the Cinema Studies major.

6. One additional non-filmmaking CIN elective at the 3000- or 4000-level

- CIN 3150 - Film Theory and Criticism (4)
- CIN 3200 - History of Film: The Silent Era (4)
- CIN 3210 - History of Film: The Sound Era to 1958 (4)
- CIN 3220 - History of Film: The New Wave and Beyond (4)
- CIN 3230 - History of Film: Into the 21st Century (4)
- CIN 3300 - Studies in Documentary Film (4)
- CIN 3305 - Adaptation: Fiction, Drama, Film (4)
- CIN 3310 - Experimental and Avant-Garde Film (4)
- CIN 3320 - National Cinemas and Film Cultures (4)
- CIN 3330 - Understanding Media Industries (4)
- CIN 3900 - Topics in Film History, Industry, and Technology (4)
- CIN 3901 - Topics in Film Genres (4)
- CIN 3902 - Topics in Film Authors, Authorship, and Aesthetics (4)
- CIN 4900 - Advanced Topics in Film (4)
- CIN 4901 - Advanced Topics in Film Theory (4)

7. One capstone course selected from

- CIN 4900 - Advanced Topics in Film (4)
- CIN 4901 - Advanced Topics in Film Theory (4)

Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

**Cinema Studies, B.A., Specialization in Filmmaking**

O'Dowd Hall, Room 544  
 586 Pioneer Drive  
 Rochester, MI 48309-4482

The B.A. in Cinema Studies with a specialization in filmmaking is a liberal arts-based B.A. including a solid foundation in film history and theory and a specialized sequence of filmmaking courses. The broad-based approach gives students hands-on experience with every aspect of narrative, documentary, essay, short-form and experimental filmmaking, from writing scripts, directing and cinematography to editing and post-production effects work. It culminates in an intensive capstone course that enables students to graduate having produced a substantive thesis film project.

Requirements for the liberal arts major in cinema studies, B.A., specialization in filmmaking

The Cinema Studies major with a specialization in filmmaking requires a total of 52 credit hours. Only 16 transfer credits may be counted towards the Cinema Studies major. Only courses in which the student has earned a grade of C may be counted towards the Cinema Studies major with a specialization in filmmaking.

1. One introductory-level course from

CIN 1150 - Introduction to Film (4)

CIN 2100 - Film and Formal Analysis (4)

2. Three required courses

CIN 1600 - Introduction to Filmmaking (4)

CIN 2150 - Methods of Screen Criticism (4)

CIN 2600 - Form and Meaning in Filmmaking (4)

3. Two courses in film history selected from

CIN 3200 - History of Film: The Silent Era (4)

CIN 3210 - History of Film: The Sound Era to 1958 (4)

CIN 3220 - History of Film: The New Wave and Beyond (4)

CIN 3230 - History of Film: Into the 21st Century (4)

4. One additional cinema studies elective course chosen from any CIN 3000 or 4000 level course or any course from this list

AN 3140 - Culture and Society Through Film (4)

CIN 2320 - Masterpieces of World Cinema (4)

COM 3606 - Media, Gender and Sexuality (4)

COM 3607 - Rise of Electronic Media (4)

CW 3400 - Screenwriting (4)

ENG 3675 - Adaptation: Fiction, Drama, Film (4) or CIN 3305 - Adaptation: Fiction, Drama, Film (4)

LIT 2905 - Studies in Foreign Film (4)

PS 3240 - Politics Through Film (4)

5. Four filmmaking elective courses selected from

- CIN 3610 - Documentary Filmmaking (4)
- CIN 3620 - Narrative Filmmaking (4)
- CIN 3630 - Experimental Filmmaking (4)
- CIN 3640 - Design, Motion, Effects (4)
- CIN 3650 - Essay Filmmaking (4)
- CIN 3660 - Short Form Filmmaking (4)
- CIN 3906 - Topics in Filmmaking (2 or 4) \*
- CIN 4930 - Field Internship in Cinema Studies (1 TO 4) \*
- CIN 4996 - Independent Study (1 TO 4) \*
- CW 3400 - Screenwriting (4)

\*To count as an elective course toward this requirement, CIN 3906, CIN 4930, or CIN 4996 must be taken for a total of 4 credits; or, CIN 3906, CIN 4930, and CIN 4996 may be taken for 2 credits each to satisfy a single 4-credit elective. Two-credit CIN 3906 courses may not be used to satisfy more than one 4-credit elective.

6. One additional non-filmmaking CIN elective at the 3000- or 4000- level

- CIN 3150 - Film Theory and Criticism (4)
- CIN 3200 - History of Film: The Silent Era (4)
- CIN 3210 - History of Film: The Sound Era to 1958 (4)
- CIN 3220 - History of Film: The New Wave and Beyond (4)
- CIN 3230 - History of Film: Into the 21st Century (4)
- CIN 3300 - Studies in Documentary Film (4)
- CIN 3305 - Adaptation: Fiction, Drama, Film (4)
- CIN 3310 - Experimental and Avant-Garde Film (4)
- CIN 3320 - National Cinemas and Film Cultures (4)
- CIN 3330 - Understanding Media Industries (4)
- CIN 3900 - Topics in Film History, Industry, and Technology (4)
- CIN 3901 - Topics in Film Genres (4)
- CIN 3902 - Topics in Film Authors, Authorship, and Aesthetics (4)
- CIN 4900 - Advanced Topics in Film (4)
- CIN 4901 - Advanced Topics in Film Theory (4)

7. One filmmaking capstone course

- CIN 4999 - Filmmaking Thesis (4)

Note

Students using this catalog to meet Cinema Studies major requirements may also use any course subsequently approved as satisfying requirements in the Cinema Studies electives category and published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts & Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Creative Writing Minor**

Requirements for the liberal arts minor in creative writing

The liberal arts minor in creative writing requires a total of 24 credits in English and creative writing, distributed as follows:

1. Choose one of the following

CW 2100 - Introduction to Prose and Poetry Writing (4)

CW 2400 - Intro to Screen/TV Writing (4)

CW 2500 - Intro to Literary Nonfiction (4)

2. Choose two courses in creative writing workshops.

Any course with the CW prefix fulfills this requirement.

3. Choose three ENG courses

The following ENG classes do not fulfill this requirement: ENG 2110, ENG 3110, ENG 3680.

#### Additional information

Students must earn at least a 2.8 GPA in each creative writing workshop course and at least a C in each literature course to have it count toward the minor. Only one 1000-level course will be accepted for credit in the minor.

#### **Creative Writing, B.A., Specialization in Fiction**

Requirements for the liberal arts major in creative writing, B.A. specialization in fiction

The creative writing major with a specialization in fiction requires a total of 44 credit hours, including five creative writing workshops (20 credits), two cognate courses (8 credits), and either four English electives or three English electives and an additional creative writing workshop (16 credits). One of the creative writing workshops must be a 4000-level course; this class will provide a capstone experience and require a creative thesis. Students are encouraged to take at least three of their five required workshop classes before taking the capstone.

Students must earn at least a B- in each creative writing workshop course and earn a grade of C in each literature course to have it count toward the major. Only one 1000-level course will be accepted for credit in the major. The 44 credits (exclusive of composition courses used to satisfy the university writing proficiency requirement) are distributed as follows:

1. Introductory course

CW 2100 - Introduction to Prose and Poetry Writing (4)

2. Required courses

CW 3200 - Workshop in Fiction (4)

CW 4200 - Advanced Workshop in Fiction (4)

3. Two additional workshop courses, chosen from

CW 2400 - Intro to Screen/TV Writing (4)

CW 2500 - Intro to Literary Nonfiction (4)

CW 3300 - Workshop in Poetry (4)

CW 3400 - Screenwriting (4)

CW 3500 - Workshop Literary Nonfiction (4)

CW 3600 - Playwriting (4)

CW 4300 - Advanced Workshop in Poetry (4)

CW 4400 - Advanced Screenwriting (4)

CW 4500 - Advanced Workshop Literary Nonfiction (4)

4. Two courses from the fiction cognates listed below

ENG 3250 - British and Commonwealth Literature since 1900 (4)

ENG 3330 - The English Novel (4)

ENG 3430 - American Literature 1920-1950 (4)

ENG 3440 - American Literature 1950 to the Present (4)

ENG 3600 - Fiction (4)

ENG 3700 - Modern Fiction (4)

ENG 3705 - Contemporary Fiction (4)

#### 5. Sixteen elective credits

- 8 of these elective credits must be taken at the 3000 level.
- 12 of these elective credits must be from the following group: CIN 2100, CIN 2320, all ENG courses.
- Students may use the remaining 4 elective credits to take: another CW course, or another ENG course.
- ENG 2100 can replace one of these 3000-level electives.

6. At least twenty credits in English courses must be taken at Oakland.

7. An introductory two-semester sequence in a foreign language, or one semester of a foreign language at the 1150 level or higher with a minimum grade of C.

#### Note

Students majoring in creative writing may not use the ENG rubric to satisfy the College of Arts and Sciences exploratory requirement. Students using this catalog to meet creative writing major requirements may also use any course subsequently approved as satisfying requirements under the various workshop and cognate elective course options that is published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number). As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Creative Writing, B.A., Specialization in Literary Nonfiction**

Requirements for the liberal arts major in creative writing, B.A., specialization in literary nonfiction

The creative writing major with a specialization in screenwriting requires a total of 44 credit hours, including five creative writing workshops (20 credits), two cognate courses (8 credits), and either four English electives or three English electives and an additional creative writing workshop (16 credits). One of the creative writing workshops must be a 4000-level course; this class will provide a capstone experience and require a creative thesis. Students are encouraged to take at least three of their five required workshop classes before taking the capstone.

Students must earn at least a B- in each creative writing workshop course and earn a grade of C in each literature course to have it count toward the major. Only one 1000-level course will be accepted for

credit in the major. The 44 credits (exclusive of composition courses used to satisfy the university writing proficiency requirement) are distributed as follows:

1. Introductory course

CW 2500 - Intro to Literary Nonfiction (4)

2. Required courses

CW 3500 - Workshop Literary Nonfiction (4)

CW 4500 - Advanced Workshop Literary Nonfiction (4)

3. Two additional workshop courses, chosen from

CW 2100 - Introduction to Prose and Poetry Writing (4)

CW 2400 - Intro to Screen/TV Writing (4)

CW 3200 - Workshop in Fiction (4)

CW 3300 - Workshop in Poetry (4)

CW 3400 - Screenwriting (4)

CW 3600 - Playwriting (4)

CW 4200 - Advanced Workshop in Fiction (4)

CW 4300 - Advanced Workshop in Poetry (4)

WRT 3086 - Workshop in Creative Non-Fiction (4)

4. Two courses from the literary nonfiction cognates listed below

AMS 3000 - Topics in American Culture (4)

CIN 3300 - Studies in Documentary Film (4)

ENG 2600 - Modes of Self-Narrative (4)

ENG 3400 - Early American Literature (4)

ENG 3410 - American Literature 1820-1865 (4)

ENG 3640 - Biography (4)

ENG 3675 - Adaptation: Fiction, Drama, Film (4)

ENG 3685 - Cultural Studies (4)

ENG 3705 - Contemporary Fiction (4)

ENG 3715 - Contemporary Poetry (4)

ENG 3901 - Studies in Literary Nonfiction (4)

5. Sixteen elective credits

8 of these elective credits must be taken at the 3000 level.

12 of these elective credits must be from the following group: CIN 2100, CIN 2320, all ENG courses.

Students may use the remaining 4 elective credits to take: another CW course, or another ENG course.

ENG 2100 can replace one of these 3000-level electives.

6. At least twenty credits in English courses must be taken at Oakland.
7. An introductory two-semester sequence in a foreign language, or one semester of a foreign language at the 1150 level or higher with a minimum grade of C

#### Note

Students majoring in creative writing may not use the ENG rubric to satisfy the College of Arts and Sciences exploratory requirement. Students using this catalog to meet creative writing major requirements may also use any course subsequently approved as satisfying requirements under the various workshop and cognate elective course options that is published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number). As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Creative Writing, B.A., Specialization in Poetry**

Requirements for the liberal arts major in creative writing, B.A., specialization in poetry

The creative writing major with a specialization in poetry requires a total of 44 credit hours, including five creative writing workshops (20 credits), two cognate courses (8 credits), and either four English electives or three English electives and an additional creative writing workshop (16 credits). One of the creative writing workshops must be a 4000-level course; this class will provide a capstone experience and require a creative thesis. Students are encouraged to take at least three of their five required workshop classes before taking the capstone.

Students must earn at least a B- in each creative writing workshop course and earn a grade of C in each literature course to have it count toward the major. Only one 1000-level course will be accepted for credit in the major. The 44 credits (exclusive of composition courses used to satisfy the university writing proficiency requirement) are distributed as follows:

1. Introductory course

CW 2100 - Introduction to Prose and Poetry Writing (4)

2. Required courses



- CW 3300 - Workshop in Poetry (4)
- CW 4300 - Advanced Workshop in Poetry (4)

3. Two additional workshop courses, chosen from

- CW 2400 - Intro to Screen/TV Writing (4)
- CW 2500 - Intro to Literary Nonfiction (4)
- CW 3200 - Workshop in Fiction (4)
- CW 3400 - Screenwriting (4)
- CW 3500 - Workshop Literary Nonfiction (4)
- CW 3600 - Playwriting (4)
- CW 4200 - Advanced Workshop in Fiction (4)
- CW 4400 - Advanced Screenwriting (4)
- CW 4500 - Advanced Workshop Literary Nonfiction (4)

4. Two courses from the poetry cognates listed below

- ENG 3610 - Poetry (4)
- ENG 3710 - Modern Poetry (4)
- ENG 3715 - Contemporary Poetry (4)

OR choose one course from

- ENG 3200 - British Medieval Literature (4)
- ENG 3210 - British Literature of the Renaissance (4)
- ENG 3230 - British Literature of the Romantic Period (4)
- ENG 3310 - Shakespeare (4)

AND one course from

- ENG 3610 - Poetry (4)
- ENG 3710 - Modern Poetry (4)
- ENG 3715 - Contemporary Poetry (4)

5. Sixteen elective credits

8 of these elective credits must be taken at the 3000 level.

12 of these elective credits must be from the following group: CIN 2100, CIN 2320, all ENG courses

Students may use the remaining 4 elective credits to take: another CW course, or another ENG course

ENG 2100 can replace one of these 3000-level electives.

6. At least twenty credits in English courses must be taken at Oakland.

7. An introductory two-semester sequence in a foreign language, or one semester of a foreign language at the 1150 level or higher with a minimum grade of C.

#### Note

Students majoring in creative writing may not use the ENG rubric to satisfy the College of Arts and Sciences exploratory requirement. Students using this catalog to meet creative writing major requirements may also use any course subsequently approved as satisfying requirements under the various workshop and cognate elective course options that is published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number). As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Creative Writing, B.A., Specialization in Screenwriting**

Requirements for the liberal arts major in creative writing, B.A., specialization in screenwriting

The creative writing major with a specialization in screenwriting requires a total of 44 credit hours, including five creative writing workshops (20 credits), two cognate courses (8 credits), and either four English electives or three English electives and an additional creative writing workshop (16 credits). One of the creative writing workshops must be a 4000-level course; this class will provide a capstone experience and require a creative thesis. Students are encouraged to take at least three of their five required workshop classes before taking the capstone.

Students must earn at least a B- in each creative writing workshop course and earn a grade of C in each literature course to have it count toward the major. Only one 1000-level course will be accepted for credit in the major. The 44 credits (exclusive of composition courses used to satisfy the university writing proficiency requirement) are distributed as follows:

##### 1. Introductory course

CW 2400 - Intro to Screen/TV Writing (4)

##### 2. Required courses

CIN 1150 - Introduction to Film (4)

CW 3400 - Screenwriting (4)

CW 4400 - Advanced Screenwriting (4)

3. Two additional workshop courses, chosen from

CW 2100 - Introduction to Prose and Poetry Writing (4)

CW 2500 - Intro to Literary Nonfiction (4)

CW 3200 - Workshop in Fiction (4)

CW 3300 - Workshop in Poetry (4)

CW 3500 - Workshop Literary Nonfiction (4)

CW 3600 - Playwriting (4)

CW 4200 - Advanced Workshop in Fiction (4)

CW 4300 - Advanced Workshop in Poetry (4)

CW 4500 - Advanced Workshop Literary Nonfiction (4)

4. One ENG course and one CIN course from the screenwriting cognates listed below

CIN 3200 - History of Film: The Silent Era (4)

CIN 3210 - History of Film: The Sound Era to 1958 (4)

CIN 3220 - History of Film: The New Wave and Beyond (4)

CIN 3230 - History of Film: Into the 21st Century (4)

CIN 3320 - National Cinemas and Film Cultures (4)

CIN 3330 - Understanding Media Industries (4)

CIN 3900 - Topics in Film History, Industry, and Technology (4)

CIN 3901 - Topics in Film Genres (4)

CIN 3902 - Topics in Film Authors, Authorship, and Aesthetics (4)

CIN 3905 - Topics in Film (4)

ENG 3310 - Shakespeare (4)

ENG 3620 - Drama (4)

ENG 3675 - Adaptation: Fiction, Drama, Film (4)

ENG 3720 - Modern Drama (4)

5. Sixteen elective credits

4 of these elective credits must be taken at the 3000 level.

12 of these elective credits must be from the following group: CIN 2100, CIN 2320, all ENG courses.

CIN 1150 counts toward the 16-credit elective requirement.

6. At least twenty credits in English courses must be taken at Oakland.

7. An introductory two-semester sequence in a foreign language, or one semester of a foreign language at the 1150 level or higher with a minimum grade of C

Note

Students majoring in creative writing may not use the ENG rubric to satisfy the College of Arts and Sciences exploratory requirement. Students using this catalog to meet creative writing major requirements may also use any course subsequently approved as satisfying requirements under the various workshop and cognate elective course options that is published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number). As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **English Minor**

Requirements for the liberal arts minor in English

A minimum of 20 credits in English courses is required (exclusive of composition courses used to satisfy the writing proficiency requirement), with the following stipulations:

- A maximum of 4 credits of creative writing (CW) courses will be accepted for credit toward the minor.
- Only one 1000-level course will be accepted as part of the minor.
- At least two courses must be taken at the 3000 or 4000 level.
- Only four credits of ENG 4996 may apply toward the minor.
- English minors are encouraged to take advantage of study-abroad and study-away programs offered through Oakland University. The department advisers will work with students whenever possible to identify equivalent courses in study-abroad and study-away programs that will fulfill requirements for the minor.
- At least 12 credits from offerings in English must be taken at Oakland.
- Only courses in which a student has earned a C may be counted toward the English minor.
- ENG 2100 is a prerequisite for British and American literary history courses and the capstone seminar.

### **English Secondary Teaching Minor**

Requirements for the secondary teaching minor in English

A total of 24 credits (at least 12 credits of which must be taken at Oakland) are required, distributed as follows:

1. One course in American ethnic literature selected from

ENG 1500 - Literature of Ethnic America (4)  
 ENG 3510 - Selected Ethnic Literature (4)  
 ENG 3520 - African American Literature (4)

## 2. Other required courses

ENG 2100 - Introduction to Literary Studies (4)  
 ENG 2110 - Fundamentals of Grammar (4) or ENG 3100 - History of the English Language (4)  
 ENG 2300 - British Literature (4)  
 ENG 2500 - American Literature (4)  
 SED 4100 - ST: Teaching Secondary in the Minor Methods (4) (instructor permission required; all other courses for the English teaching minor must be completed prior to SED 4100)

## Additional information

Generally, a cumulative grade point average of 3.00 is required in courses included in the minor, with no single course grade below a C. Second undergraduate degree candidates completing the minor may be required to take additional courses at Oakland University beyond the stated minimums. Students must consult with the secondary education minor adviser in the department.

## English, B.A.

Requirements for the liberal arts major in English, B.A. program

A minimum of 40 credits in English courses, distributed as follows:

### 1. Introductory course

ENG 2100 - Introduction to Literary Studies (4)

### 2. Two courses in British literary history selected from

ENG 3200 - British Medieval Literature (4)  
 ENG 3210 - British Literature of the Renaissance (4)  
 ENG 3220 - British Literature of the Restoration and 18th Century (4)  
 ENG 3230 - British Literature of the Romantic Period (4)  
 ENG 3240 - British Literature from the Victorian Period to the Early 20th Century (4)  
 ENG 3250 - British and Commonwealth Literature since 1900 (4)

Or one course from this group and one course from

ENG 3300 - Chaucer (4)  
 ENG 3310 - Shakespeare (4)

ENG 3320 - Milton (4)  
 ENG 3330 - The English Novel (4)

3. One course in American literature selected from

ENG 3400 - Early American Literature (4)  
 ENG 3410 - American Literature 1820-1865 (4)  
 ENG 3420 - American Literature 1865-1920 (4)  
 ENG 3430 - American Literature 1920-1950 (4)  
 ENG 3440 - American Literature 1950 to the Present (4)

4. One capstone seminar selected from

ENG 4900 - Advanced Topics in Literature and Language (4)  
 ENG 4970 - Studies in Literary Kinds (4)  
 ENG 4975 - Trans-Atlantic Traditions (4)  
 ENG 4980 - Studies in Major Authors (4)  
 ENG 4985 - Shakespeare Seminar (4)

5. At least 24 credits must be taken at the 3000 level or above.

6. At least 20 credits in English courses must be taken at Oakland.

7. An introductory two-semester sequence in a foreign language, or one semester of a foreign language at the 1150 level or higher.

Additional information

Courses on the 1000 level are directed to students seeking non-technical, liberally oriented courses to fulfill general education requirements or to use in minors and particular concentrations. Courses on the 2000 level offer broad introductions to literary materials and approaches basic to the study of English. Courses on the 3000 level offer more intensive investigations into particular areas of English studies. These courses, the core of the program for English majors, are open to advanced students according to their special needs and their preparation in related disciplines. Courses on the 4000 level apply theory and methods of literary history, criticism, and research to writers and to problems presented by specific topics. They are designed for senior majors. Graduate courses on the 5000 level are open to senior majors by permission of the instructor and the department chairperson.

Except where noted, 1000- and 2000-level courses have no prerequisites. Advanced courses (numbered 3000 to 4999) have a general prerequisite of writing proficiency (WRT 1060 or equivalent), plus any special requirements listed with the course descriptions.

A maximum of 12 credits of creative writing (CW) courses will be accepted for credit toward the major.

Only one course at the 1000 level will be accepted for credit toward the major.

ENG 2100 is a prerequisite for the required British and American literary history courses and the capstone seminar.

No more than 8 credits of ENG 4996 will be accepted for credit toward the major.

English majors are encouraged to take advantage of study-abroad and study-away programs offered through Oakland University. The department advisers will work with students whenever possible to identify equivalent courses in study-abroad and study-away programs that will fulfill requirements for the major.

Only courses in which the student has earned a grade of C may be counted toward the English major, including the modern foreign language requirement.

Students majoring in English may not use the CW rubric to satisfy the College of Arts and Sciences exploratory requirement.

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

Requirements for the modified major in English with a linguistics concentration

The modified English/linguistics major requires a minimum of 24 credits in English and American literature and 20 credits in LIN and ALS, distributed as follows:

1. Two courses in British literary history selected from

ENG 3200 - British Medieval Literature (4)

ENG 3210 - British Literature of the Renaissance (4)

ENG 3220 - British Literature of the Restoration and 18th Century (4)

ENG 3230 - British Literature of the Romantic Period (4)

ENG 3240 - British Literature from the Victorian Period to the Early 20th Century (4)

ENG 3250 - British and Commonwealth Literature since 1900 (4)

Or one course from this group and one course from

ENG 3300 - Chaucer (4)

ENG 3310 - Shakespeare (4)  
 ENG 3320 - Milton (4)  
 ENG 3330 - The English Novel (4)

2. One course in American literature selected from

ENG 3400 - Early American Literature (4)  
 ENG 3410 - American Literature 1820-1865 (4)  
 ENG 3420 - American Literature 1865-1920 (4)  
 ENG 3430 - American Literature 1920-1950 (4)

3. One 4000-level capstone seminar selected from

ENG 4900 - Advanced Topics in Literature and Language (4)  
 ENG 4970 - Studies in Literary Kinds (4)  
 ENG 4975 - Trans-Atlantic Traditions (4)  
 ENG 4980 - Studies in Major Authors (4)  
 ENG 4985 - Shakespeare Seminar (4)

4. Five LIN or ALS courses, including

LIN 2201 - Introduction to Linguistics (4)  
 LIN 4303 - Introduction to Phonology (4)  
 LIN 4304 - Introduction to Syntax (4)  
 LIN 4403 - Phonological Theory (4) or LIN 4404 - Syntactic Theory (4)

5. Required course

ENG 3100 - History of the English Language (4)

6. At least 20 of the 44 combined credits must be at the 3000 level or above.

Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

Students majoring in English may not use the CW rubric to satisfy the College of Arts and Sciences exploratory requirement.



As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **English, STEP**

Requirements for the Secondary Teacher Education Program (STEP): English

The Secondary Teacher Education Program (STEP) at Oakland University is an extended program of study leading to certification. Eligibility for admission to STEP generally requires a GPA of 3.00 in both the major and minor and an overall GPA of 2.80. No single major or minor course grade may be below C. Second undergraduate degree candidates completing a major and/or minors may be required to complete additional course work at Oakland University beyond the stated minimums. Students in this program must complete the requirements for a B.A. degree in the College of Arts and Sciences and concurrently fulfill the requirements listed below: Forty credits in English (exclusive of composition courses used to satisfy the writing requirement) distributed as follows:

1. One course in American ethnic literature selected from

ENG 1500 - Literature of Ethnic America (4)

ENG 3510 - Selected Ethnic Literature (4)

ENG 3520 - African American Literature (4)

2. Required courses

ENG 2100 - Introduction to Literary Studies (4)

ENG 2110 - Fundamentals of Grammar (4) or ENG 3100 - History of the English Language (4)

ENG 2300 - British Literature (4)

ENG 2500 - American Literature (4)

3. Two courses in British literary history selected from

ENG 3200 - British Medieval Literature (4)

ENG 3210 - British Literature of the Renaissance (4)

ENG 3220 - British Literature of the Restoration and 18th Century (4)

ENG 3230 - British Literature of the Romantic Period (4)

ENG 3240 - British Literature from the Victorian Period to the Early 20th Century (4)

ENG 3250 - British and Commonwealth Literature since 1900 (4)

Or one course from this group and one course from

ENG 3300 - Chaucer (4)

ENG 3310 - Shakespeare (4)

ENG 3320 - Milton (4)

ENG 3330 - The English Novel (4)

4. One course in American literature selected from

ENG 3400 - Early American Literature (4)

ENG 3410 - American Literature 1820-1865 (4)

ENG 3420 - American Literature 1865-1920 (4)

ENG 3430 - American Literature 1920-1950 (4)

5. Required course

ENG 4000 - Approaches to Teaching Literature and Composition (4)

6. One 4000-level capstone seminar selected from

ENG 4900 - Advanced Topics in Literature and Language (4)

ENG 4970 - Studies in Literary Kinds (4)

ENG 4975 - Trans-Atlantic Traditions (4)

ENG 4980 - Studies in Major Authors (4)

ENG 4985 - Shakespeare Seminar (4)

7. At least 20 credits must be taken at Oakland.

The following courses are also required

1. Required course

ALS 1101 - The Humanity of Language (4)

2. One course in world literature selected from

ENG 1700 - Modern Literature (4)

ENG 1800 - Masterpieces of World Literature (4)

ENG 3660 - Classical Mythology (4)

LIT 1000 - Introduction to Asian Literature (4)

LIT 1810 - European Literature I (4)

LIT 1820 - European Literature II (4)

3. Foreign language sequence

An introductory two-semester sequence in a foreign language, or one semester of a foreign language at the 1150 level or higher, with a minimum grade of C.

4. Education courses

A sequence of undergraduate coursework in education is required, including:

- SED 3000 - Introduction to Secondary Education (4) (must be completed prior to STEP application)
- FE 3010 - Educational Psychology for K-12 Educators (4) (includes a required field experience)
- DLL 4197 - Digital Technologies in the Secondary Classroom (4)
- RDG 4238 - Teaching Reading in the Content Areas (4) (includes a required field experience)
- SE 4401 - Introduction to Students with Special Needs (4)
- SED 4100 - ST: Teaching Secondary in the Minor Methods (4) (includes a required field experience in the teaching minor: must be completed prior to the final internship)
- SED 4200 - ST: Teaching Secondary of the Major Methods (4)
- SED 4951 - Internship I: Pre-Student Teaching (4)
- SED 4952 - Internship in Secondary Education (8)

#### 5. Secondary teaching minor

A program in STEP must also include a 20-28 secondary teaching minor. Teaching minors available to English STEP students include biology, chemistry, economics, teaching English as a second language (TESL), history, mathematics, physics, and political science. See the Secondary Teacher Education program listing for specific information regarding these teaching minors.

Additional information

Further details on program admission requirements and procedures can be found in the School of Education and Human Services portion of the catalog and by consulting advisers in the Department of English and the School of Education and Human Services advising office at 363 Pawley Hall, (248) 370-4182, or the School of Education and Human Services web site.

Additional Degree Requirements

In addition to these major/minor requirements, students must complete the Oakland University General Education Requirements.

#### **Courses**

AMS 3000 - Topics in American Culture (4)

An interdisciplinary approach to various aspects of American culture addressing both the theoretical basis for American Studies and practical application of interdisciplinary methodology. Satisfies the university general education requirement in U.S. diversity. Satisfies the university general education requirement in the knowledge application integration area.

Prerequisite(s): Western civilization knowledge application integration area: Completion of the general education requirement in the Western civilization knowledge exploration area.

AMS 4998 - Senior Project (4)

Either an independent research project or an internship in American studies. Plans for this project must be developed with the concentration coordinator the semester before the student registers for this course.

CIN 1150 - Introduction to Film (4)

Introduction to the art of film by examination of the filmmaking process, study of narrative and non-narrative film, and exploration of film's relation to society. Satisfies the university general education requirement in the arts knowledge exploration area. Satisfies the university general education requirement in U.S. diversity.

CIN 1600 - Introduction to Filmmaking (4)

Introduction to digital film production through group projects.

Prerequisite(s): CIN 1150 or CIN 2100; cinema studies major or minor standing.

CIN 2100 - Film and Formal Analysis (4)

Exploration of the dramatic and narrative content of classic and modern films, treating such elements as theme, motif, symbol, imagery, structure and characterization, as well as cultural and philosophical implications. Satisfies the university general education requirement in the literature knowledge exploration area.

CIN 2150 - Methods of Screen Criticism (4)

Introduction to the study of screen theory and critical methods, with emphasis upon academic research and writing. Film screening lab may be required. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): CIN 1150 or CIN 2100; WRT 1060 with a grade of (C) or higher.

CIN 2320 - Masterpieces of World Cinema (4)

Examination of a range of cinematic traditions, historical trends, and national film movements from around the globe. Satisfies the university general education requirement in the global perspective knowledge exploration area.

CIN 2600 - Form and Meaning in Filmmaking (4)

Through group projects and individual editing, students explore formal methods of creating meaning in shots, sequences and short films.

Prerequisite(s): CIN 1600

CIN 3150 - Film Theory and Criticism (4)

Survey of major critical approaches to the academic study of film, such as those theoretical models proposed by Eisenstein, Kracauer, Arnheim, Bazin, Sarris and Metz. Film screening lab may be required.  
Prerequisite(s): CIN 2150

CIN 3200 - History of Film: The Silent Era (4)

Survey of directors and films important in shaping film history: Griffith, Eisenstein, Chaplin, Mumau, Pabst, Lang and others. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3210 - History of Film: The Sound Era to 1958 (4)

Examination of significant directors, genres and movements: Welles, Hitchcock, Renoir, DeSica and others; the western, gangster film, musical, neorealism, film noir. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3220 - History of Film: The New Wave and Beyond (4)

Study of film since 1959, including directors such as Godard, Truffaut, Akerman, Fassbinder, Herzog, Wertmuller, Bergman, Altman, Kubrick and Scorsese. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3230 - History of Film: Into the 21st Century (4)

Study of developments in film since the late 1980s, including topics such as Hollywood cinema, independent film-making, experimental films, feminist cinema, national cinema, and new technologies such as digital imaging. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3300 - Studies in Documentary Film (4)

Examination of the history of documentary film-making. Additional focus on aesthetic and industrial practices. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3305 - Adaptation: Fiction, Drama, Film (4)

Examination of how works of fiction and drama are transformed into film, including focus on creative and industrial practice. Identical with ENG 3675. Satisfies the university general education requirement in knowledge applications integration area. Prerequisite for knowledge applications integration: completion of the general education requirement in the literature knowledge exploration area.  
Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

CIN 3310 - Experimental and Avant-Garde Film (4)

Historical examination of those forms of motion picture expression that fall outside of mainstream commercial filmmaking. Additional focus on aesthetic and artisanal practices. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3320 - National Cinemas and Film Cultures (4)

Film movements and cinema cultures from outside of the United States. National contexts vary and may be repeated under different subtitle for credit. Film screening lab may be required.

Prerequisite(s): CIN 1150 or CIN 2100 with a grade of (C) or higher.

CIN 3330 - Understanding Media Industries (4)

Examination of local, regional, national and global film and media industry practices and communities, with emphasis upon the emergence and impact of key trends in these fields. Film screening lab may be required.

Prerequisite(s): CIN 1150 or CIN 2100

CIN 3610 - Documentary Filmmaking (4)

Introduction to documentary film pre-production, production, and post-production. Additional emphasis upon how documentary film aesthetics shape audience experience.

Prerequisite(s): CIN 2600

CIN 3620 - Narrative Filmmaking (4)

Different forms and conventions of narrative filmmaking. Relevant aesthetic concepts and technical skills will be put into practice through the production of original short-form narrative films.

Prerequisite(s): CIN 2600

CIN 3630 - Experimental Filmmaking (4)

Range of experimental filmmaking techniques, with a focus on aesthetic practices that fall outside of mainstream commercial filmmaking.

Prerequisite(s): CIN 1600 (C)

CIN 3640 - Design, Motion, Effects (4)

A range of digital motion graphics and visual effects projects, combined with the study of the principles of design that make them most effective.

Prerequisite(s): CIN 2600 with a grade of C or better.

CIN 3650 - Essay Filmmaking (4)

Study of different forms of the essay film, a genre that investigates ideas and challenges ways of thinking, and production of original essay films.

Prerequisite(s): CIN 1600 (C) and CIN 2150 (C)

CIN 3660 - Short Form Filmmaking (4)

Through critical analysis, development of an understanding of single and multi-camera short form, non-theatrical film production and creation of original projects.

Prerequisite(s): CIN 2600 (C)

CIN 3900 - Topics in Film History, Industry, and Technology (4)

Close examination of one or more of the major artistic, industrial or cultural trends shaping film history. Topics explored may include film censorship, art cinemas, the history of cinema technology, historiography. May be repeated under different subtitle for credit. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3901 - Topics in Film Genres (4)

Focus on the formation, function and analysis of film genres, with emphasis on individual types, such as the western, horror, romantic comedy, melodrama, or others. Topics to be selected by instructor. May be repeated under different subtitle for credit. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3902 - Topics in Film Authors, Authorship, and Aesthetics (4)

Examination of historical and aesthetic issues related to the creation of motion pictures. May focus on individual film directors or other individuals, groups, and institutions involved in the filmmaking process. Topics to be selected by instructor. May be repeated under different subtitle for credit. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3905 - Topics in Film (4)

Examination of specialized subjects in film. May be repeated for credit under separate sub-headings. Film screening lab may be required.  
Prerequisite(s): CIN 1150 or CIN 2100

CIN 3906 - Topics in Filmmaking (2 or 4)

Examination of specialized subjects in film production, such as post-production and visual effects, cinematography, sound design, and film titles and credit sequences. Topics to be selected by instructor. May be repeated for credit under different subtitle.  
Prerequisite(s): CIN 2600

CIN 4900 - Advanced Topics in Film (4)

Specialized topics in film history, theory and research methods. Film screening lab may be required. May be repeated for credit under different subtitle. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.  
Prerequisite(s): Senior standing, CIN 2150, and 28 credits in cinema studies of which at least 12 must be at the 3000 level, or permission of instructor.

CIN 4901 - Advanced Topics in Film Theory (4)

Close examination of one or more theoretical approaches used to analyze film texts. May be repeated under different subtitle for additional credit. Film screening lab may be required. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): Senior standing, CIN 2150, and 28 credits in cinema studies of which at least 12 must be at the 3000 level, or permission of instructor.

CIN 4910 - Study Abroad (4)

Topics will vary from year to year, depending on the location. May be repeated for additional credit.

Prerequisite(s): permission of instructor.

CIN 4930 - Field Internship in Cinema Studies (1 TO 4)

Field internship for cinema studies majors under faculty supervision. Academic project that incorporates student performance in an occupational setting. May be repeated for up to 4 credits.

Prerequisite(s): CIN 1150 or CIN 2100; junior/senior standing; 16 credits in cinema studies courses, with 8 at the 3000-4000 level; and instructor permission.

CIN 4996 - Independent Study (1 TO 4)

Study on an independent basis for students with demonstrated interest in film. A proposed course of study must be submitted to the prospective instructor in the semester before the independent study is to be taken.

Prerequisite(s): one course in film.

CIN 4999 - Filmmaking Thesis (4)

Directed individual work completing a major thesis film and research into film industry practices.

Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): Senior standing, CIN 2150, and 28 credits in cinema studies of which at least 12 must be at the 3000 level, or permission of instructor.

CW 2100 - Introduction to Prose and Poetry Writing (4)

Entry level creative writing workshop in fiction, poetry and literary nonfiction.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

CW 2400 - Intro to Screen/TV Writing (4)

Entry level creative writing workshop in screen and television writing.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

CW 2500 - Intro to Literary Nonfiction (4)

Introduction to the genre of literary nonfiction through the study of short examples and by writing in three categories of literary nonfiction: memoir, personal essay, and special topics essays on topics such as travel, food, and health.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

CW 3200 - Workshop in Fiction (4)



Creative writing workshop, with emphasis on narrative.

Prerequisite(s): CW 2100

CW 3300 - Workshop in Poetry (4)

Creative writing workshop, with emphasis on both traditional and experimental poetic forms.

Prerequisite(s): CW 2100

CW 3400 - Screenwriting (4)

Creative writing for motion pictures emphasizing fundamentals of scene construction, characterization, and dialogue creation.

Prerequisite(s): CW 2400, and either CIN 1150 or CIN 2100

CW 3450 - Writing for Television (4)

Creative writing workshop with an emphasis on writing for television.

Prerequisite(s): CW 2400

CW 3500 - Workshop Literary Nonfiction (4)

Study of masters in literary nonfiction, including readings within the genre from anthologies and literary journals.

Prerequisite(s): CW 2500

CW 3600 - Playwriting (4)

Creative writing for the theatre, emphasizing fundamentals of scene, character, and dialogue development. Identical with THA 3040.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

CW 3800 - Editing and Publishing a Literary Journal (4)

Readings in the history and practice of literary journal publishing with practical application. Students produce one issue of OU's literary journal, the Oakland Arts Review, as well as analytical papers and other writings related to journal production.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher

CW 4200 - Advanced Workshop in Fiction (4)

Creative writing workshop in fiction. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): CW 3200 or permission of instructor.

CW 4300 - Advanced Workshop in Poetry (4)

Creative writing workshop in poetry. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing

foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): CW 3300 or permission of instructor.

#### CW 4400 - Advanced Screenwriting (4)

Advanced creative writing workshop in screenwriting. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): CW 3400 and permission of instructor.

#### CW 4450 - Advanced Television Writing (4)

Advanced creative writing workshop in writing for television. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): CW 3450 and permission of instructor.

#### CW 4500 - Advanced Workshop Literary Nonfiction (4)

Study of classic literary essays by various authors. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): CW 3500 or permission of instructor.

#### CW 4600 - Advanced Playwriting (4)

Identical with THA 4040. May be repeated once for credit.

Prerequisite(s): CW 3600 or THA 3040 and permission of instructor. Restricted to creative writing, English, or theatre majors or minors.

#### CW 4950 - Internship (4)

Practical experience in appropriate work position at an approved site, correlated with directed study assignments. In the semester prior to enrollment, the student will plan the internship in conjunction with the instructor and with the approval of the department chair. A final analytical paper will be required. May be repeated once in a different setting for elective credit only.

Prerequisite(s): 16 credits in English, of which at least 8 must be at the 3000-4000 level, and permission of the instructor and the department chair.

#### CW 4996 - Independent Study (2 OR 4)

A proposed course of study must be submitted to the prospective instructor in the semester before the independent study is to be taken. Only eight credits of CW 4996 may apply toward the minor. May be

elected on an S/U basis.

Prerequisite(s): four courses in English or creative writing and permission of instructor.

ENG 1300 - Introduction to Shakespeare (4)

A general introduction to representative dramatic works of Shakespeare. Satisfies the university general education requirement in the literature knowledge exploration area.

ENG 1500 - Literature of Ethnic America (4)

Studies in literature about the American ethnic heritage including examples from such sources as African-American, Native American and American immigrant literatures. Satisfies the university general education requirement in the literature knowledge exploration area. Satisfies the university general education requirement in U.S. diversity.

ENG 1700 - Modern Literature (4)

General introduction to modern literature, which can include works written from the early twentieth century to the present, with some attention to literary form and to the way in which literature reflects culture. Satisfies the university general education requirement in the literature knowledge exploration area.

ENG 1800 - Masterpieces of World Literature (4)

A survey acquainting the student with some of the great literature of the world. Satisfies the university general education requirement in the literature knowledge exploration area.

ENG 2100 - Introduction to Literary Studies (4)

Introduction to literary research, the writing conventions of literary criticism, and the critical analysis of drama, prose fiction, and poetry. Required for the English major and minor. Prerequisite for the 3000 level literary history and capstone courses.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher and English major or minor standing.

ENG 2110 - Fundamentals of Grammar (4)

A thorough introduction to basic grammatical forms and structures, drawing upon a variety of approaches and models.

Prerequisite(s): WRT 1060 or equivalent.

ENG 2300 - British Literature (4)

Introduction to literary analysis and appreciation through readings in the British literary tradition. Emphasis on such authors as Chaucer, Shakespeare and Dickens. Satisfies the university general education requirement in the literature knowledge exploration area.

ENG 2500 - American Literature (4)

Introduction to literary analysis and appreciation through readings in the American literary tradition. Emphasis on such authors as Hawthorne, Melville, Dickinson and James. Satisfies the university general education requirement in the literature knowledge exploration area.

ENG 2600 - Modes of Self-Narrative (4)

Explores the construction of literary self-narratives with emphasis on written texts and developments in electronic media.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

ENG 2900 - Topics in Literature and Language (4)

Topics or problems selected by the instructor.

ENG 3100 - History of the English Language (4)

A detailed survey of the English language from its beginning to modern times. Identical with LIN 4312.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

ENG 3110 - Advanced Critical Writing (4)

Focus on the process of critical thinking to develop analytical writing skills. Required for English STEP majors and minors. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

ENG 3200 - British Medieval Literature (4)

Development of Old and Middle English literature to about 1500. Emphasis on the major works from Beowulf to Chaucer and Malory.

Prerequisite(s): ENG 2100

ENG 3210 - British Literature of the Renaissance (4)

Literature from about 1500 to 1660. Emphasis on the development of the sonnet and lyric, drama, prose and epic. Consideration of such major authors as Sidney, Donne, Shakespeare and Milton.

Prerequisite(s): ENG 2100

ENG 3220 - British Literature of the Restoration and 18th Century (4)

Prose, poetry and drama from 1660 to the Romantic Revolutions. Consideration of such major authors as Dryden, Swift, Pope and Johnson.

Prerequisite(s): ENG 2100

ENG 3230 - British Literature of the Romantic Period (4)

Prose and poetry from the age of Austen, Blake, Wordsworth, Byron, Shelley and Keats.

Prerequisite(s): ENG 2100

ENG 3240 - British Literature from the Victorian Period to the Early 20th Century (4)

From the Victorians to the 1920s. Authors may include Bronte, Tennyson, Browning, Dickens, Eliot, Hardy, Arnold, Carlyle, Rossetti, Shaw, Lawrence, Yeats and Woolf.

Prerequisite(s): ENG 2100

ENG 3250 - British and Commonwealth Literature since 1900 (4)

British and Anglophonic literature since 1900. Authors may include Joyce, Woolf, Eliot, Rhys, Beckett, Rao and Achebe.

Prerequisite(s): ENG 2100

ENG 3300 - Chaucer (4)

The major works, with emphasis on The Canterbury Tales and Troilus and Criseyde.

Prerequisite(s): ENG 2100

ENG 3310 - Shakespeare (4)

Reading and discussion of representative plays and poetry.

Prerequisite(s): ENG 2100

ENG 3320 - Milton (4)

His major poetry, with emphasis on Paradise Lost and some attention to his prose.

Prerequisite(s): ENG 2100

ENG 3330 - The English Novel (4)

A study of the origin and development of the English novel from its beginnings to the early twentieth century. Among the novelists to be considered are Fielding, Richardson, Austen, Dickens, Conrad, Lawrence and Joyce.

Prerequisite(s): ENG 2100

ENG 3400 - Early American Literature (4)

Studies in colonial and early national American literature, with emphasis on such writers as Bradstreet, Taylor, Edwards and Franklin.

Prerequisite(s): ENG 2100

ENG 3410 - American Literature 1820-1865 (4)

Studies in American prose and poetry of the pre-Civil War period, with emphasis on such writers as Emerson, Hawthorne, Melville, Thoreau and Whitman.

Prerequisite(s): ENG 2100

ENG 3420 - American Literature 1865-1920 (4)

Studies in American prose and poetry from the Civil War through World War I, with emphasis on such writers as Twain, James and Dickinson.

Prerequisite(s): ENG 2100

**ENG 3430 - American Literature 1920-1950 (4)**

Studies in American literature of the modern period.

Prerequisite(s): ENG 2100

**ENG 3440 - American Literature 1950 to the Present (4)**

Studies in American fiction, poetry, and drama from 1950 to the present.

Prerequisite(s): ENG 2100

**ENG 3510 - Selected Ethnic Literature (4)**

Reading and critical analysis of representative selections from American ethnic literature. Special attention to groupings such as American-Jewish and Native American at discretion of instructor. Satisfies the university general education requirement in U.S. diversity.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**ENG 3520 - African American Literature (4)**

Study of African American literary history, including the evolution of form through slave narrative, sentimental fiction, political protest, to contemporary writing, authors may include Douglass, Jacobs, Chesnutt, Du Bois, Ellison, Petry and Morrison. Satisfies the university general education requirement in the knowledge application integration area. Prerequisite for knowledge application integration: completion of the university general education requirement in the literature knowledge exploration area. Satisfies the university general education requirement in U.S. diversity.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**ENG 3600 - Fiction (4)**

The major forms of narrative fiction (short story, novella, novel) studied from generic and historical points of view. Satisfies the university general education requirement in the literature knowledge exploration area.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher and junior standing.

**ENG 3610 - Poetry (4)**

The major forms of poetic expression studied from generic and historical points of view. Satisfies the university general education requirement in the literature knowledge exploration area.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**ENG 3620 - Drama (4)**

Major forms of dramatic expression studied from generic and historical points of view. Satisfies the university general education requirement in the literature knowledge exploration area.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher and junior standing.

**ENG 3630 - Studies in Literary Mode (4)**

A major literary mode (such as tragedy, comedy, epic, romance, satire) studied from generic and historical points of view.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### ENG 3640 - Biography (4)

The study of biography as a form of literary art, considering both theory and practice. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications integration: completion of the general education requirement in the Western civilization knowledge exploration area.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

#### ENG 3650 - The Bible as Literature (4)

Emphasis on the artistic, imaginative and historical aspects of the Bible. Satisfies the university general education requirement in the literature knowledge exploration area.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher and junior standing.

#### ENG 3660 - Classical Mythology (4)

The principal Greek and Roman myths and their uses in classical and post-classical art and literature. Satisfies the university general education requirement in the literature knowledge exploration area.

Prerequisite(s): junior standing

#### ENG 3675 - Adaptation: Fiction, Drama, Film (4)

Examination of how works of fiction and drama are transformed into film, including focus on creative and industrial practice. Identical with CIN 3305. Satisfies the university general education requirement in knowledge applications integration area. Prerequisite for knowledge applications integration: completion of the general education requirement in the literature knowledge exploration area.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### ENG 3680 - Literary Theory, Early 20th Century to the Present (4)

The development of literary theory, presented as a survey. Applications of theory in critical practice will be considered.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### ENG 3685 - Cultural Studies (4)

The interaction of texts and cultural contexts, studied from diverse perspectives - aesthetic, economic, historical and technological. Texts may be literary, filmic, televisual, musical.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### ENG 3700 - Modern Fiction (4)

Studies in fiction of the first half of the 20th century. This course may emphasize British, American or international fiction in any given semester.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

ENG 3705 - Contemporary Fiction (4)

Narrative literature from 1950 to the present day.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

ENG 3710 - Modern Poetry (4)

Studies in poetry since the beginning of the 20th century. Course may emphasize American or British poetry or discuss international currents in modern poetry.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher

ENG 3715 - Contemporary Poetry (4)

Poetry from 1950 to the present day.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

ENG 3720 - Modern Drama (4)

Studies in English, American and Continental drama since Ibsen.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

ENG 3800 - Postcolonial Literature (4)

Postcolonial literature and theory from its origins to the present. May include works from Africa, Southeast Asia, the Middle East, and/or the Americas, either written in English or studied in translation.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

ENG 3810 - Irish Literature (4)

Study of Irish literature with special attention to the Irish political experience and questions of what constitutes a national literature. Authors may include Swift, Edgeworth, Yeats, Lady Gregory, Joyce or Friel.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

ENG 3900 - Special Topics in Literature and Language (4)

Special problems or topics selected by the instructor.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

ENG 3901 - Studies in Literary Nonfiction (4)

Studies in literary nonfiction selected by the instructor. May be repeated for additional credit under different subtitle.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

ENG 3902 - Issues in American Literature (4)

Study of literary works ranging across period and/or genre in their relation to a central issue, theme or problem in American literature. Representative topics are romanticism, the Puritan tradition, American humor and the writer and American society.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.



**ENG 4000 - Approaches to Teaching Literature and Composition (4)**

Introduction to teaching literature and composition. Topics include the reading and writing processes, adolescent literature, media and the language arts, and spoken language. For students planning to apply to the secondary education program (STEP). To be taken in the winter semester prior to applying.

Prerequisite(s): Declared STEP major; WRT 1060 with a grade of (B) or higher; junior/senior standing or instructor permission.

**ENG 4900 - Advanced Topics in Literature and Language (4)**

Advanced topics and problems selected by the instructor. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for writing intensive in the major area. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): ENG 2100 and at least two of the three required 3000 level British and American literary history courses; or permission of the instructor.

**ENG 4950 - Internship (4)**

Practical experience in appropriate work position at an approved site, correlated with directed study assignments. In the semester prior to enrollment, the student will plan the internship in conjunction with the instructor and with the approval of the department chair. A final analytical paper will be required. May be repeated once in a different setting for elective credit only.

Prerequisite(s): 16 credits in English, of which at least 8 must be at the 3000-4000 level, and permission of the instructor and the department chair.

**ENG 4970 - Studies in Literary Kinds (4)**

The study of a single literary kind, whether genre (such as novel, lyric or drama) or mode (such as tragedy or comedy). May be repeated under different subtitle. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): ENG 2100 and at least two of the three required 3000 level British and American literary history courses; or permission of the instructor.

**ENG 4975 - Trans-Atlantic Traditions (4)**

Studies of the relations between the British and American literary traditions. May emphasize a theme, a period, or particular authors. May be repeated for credit under different subtitle. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): ENG 2100 and at least two of the three required 3000 level British and American literary history courses; or permission of the instructor.

**ENG 4980 - Studies in Major Authors (4)**

Intensive study of a selected group of authors: British, American or both. May be repeated for credit with different authors. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Prerequisite(s): ENG 2100 and at least two of the three required 3000 level British and American literary history courses; or permission of the instructor.

#### ENG 4985 - Shakespeare Seminar (4)

Analysis of four or five of the plays. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): ENG 2100 and at least two of the three required 3000 level British and American literary history courses; or permission of the instructor.

#### ENG 4996 - Independent Study (2 OR 4)

A proposed course of study must be submitted to the prospective instructor in the semester before the independent study is to be taken. Only 8 credits of ENG 4996 may apply toward the major and only 4 credits may apply toward the minor. May be elected on an S/U basis.

Prerequisite(s): four courses in English and permission of instructor.

## Environmental Science Program

260A SCIENCE AND ENGINEERING BUILDING

(248) 370-2320

Director: Linda Schweitzer (Chemistry)

Faculty and lecturers: Marcella Colling, Jim Leidel, D. David Newlin, Linda Schweitzer, David Szlag, Wendy Wilson, Ziming Yang

Designed to integrate applied scientific specialties within the broad field of environmental science, the environmental science curricula prepare students for a variety of professional opportunities in government as well as the private sector, and for graduate study in such fields as toxic substance management, public health, toxicology, remediation, restoration, energy and sustainability and environmental planning.

Graduates of the program should be able to identify and evaluate a broad range of environmental problems. In addition, they should be able to offer solutions, anticipate hazards and prevent future

problems. Studies include such areas as health in the workplace, toxic substance regulations, applied ecology, pollution prevention, air resources, water resources and public environmental policy.

### **Programs**

- Environmental Science Minor
- Environmental Science, B.S.
- Environmental Studies Concentration

### **Environmental Science Minor**

Requirements for the liberal arts minor in environmental science

A minimum of 22 credits are required for the environmental science minor, distributed as follows:

#### 1. Required courses

ENV 3080 - Introduction to Environmental Studies (4)

ENV 4521 - Environmental Management Systems (3)

ENV 4610 - Environmental Law and Policies (3)

#### 2. 12 credits of electives approved by the program director

Note

An approved concentration/minor authorization form must be filed three semesters prior to graduation.

### **Environmental Science, B.S.**

Designed to integrate applied scientific specialties within the broad field of environmental science, the environmental science curricula prepare students for a variety of professional opportunities in government as well as the private sector, and for graduate study in such fields as toxic substance management, public health, toxicology, pharmacology, industrial hygiene and environmental planning.

Graduates of the program should be able to identify and evaluate a broad range of environmental problems. In addition, they should be able to offer solutions, anticipate hazards and prevent future problems. Studies include such areas as health in the workplace, toxic substance regulations, applied ecology, pollution prevention, air resources, water resources and public environmental policy.

Requirements for environmental science, B.S.

To earn a Bachelor of Science degree with a major in environmental science, students must complete a minimum of 124 credits including:

1. An introductory prerequisite core including
  - a. Required courses in biology

BIO 1200 - Biology I (4)  
 BIO 1300 - Biology II (4)  
 BIO 1201 - Biology Laboratory (1)

b. Required courses in chemistry

CHM 1440 - General Chemistry I (4) and CHM 1470 - General Chemistry Laboratory I

CHM 1450 - General Chemistry II (4) and CHM 1480 - General Chemistry Laboratory II

c. Required courses in physics

PHY 1010 - General Physics I (4) and PHY 1100 - General Physics Lab I  
 (1) (or PHY 1510  
 and PHY 1100)

d. 8 additional credits

Eight credits of mathematics above MTH 1221 or statistics (STA 2220 recommended)

Note: MTH 1331 and MTH 1332 together satisfy four credits toward this requirement.

2. Core requirements (minimum of 15 credits) including

BIO 3330 - Ecology (5) or BIO 4380 - Ecological Problem Solving (4)  
 ENV 3080 - Introduction to Environmental Studies (4)  
 ENV 4610 - Environmental Law and Policies (3)  
 ENV 4950 - Environmental Science Internship (3) (satisfies the requirements for the capstone experience and writing intensive course in the major)

3. Complete one of the specializations described below:

Specialization includes a minimum of 28 credits and must be approved by the program director. At least 16 of the credits taken at the 3000 level or above must be taken at Oakland University.

Specialization in environmental health (minimum of 28 credits)

Based upon an extensive curriculum planning study, this option combines environmental and occupational health perspectives in scientific and technical courses designed to provide pre-professional training for careers relating human health and safety factors to working conditions. Students learn to recognize, evaluate and control actual and potential environmental hazards.

Many opportunities exist at local and state levels of government to improve health and environmental quality, focusing on toxic substance control, food protection, water quality, and waste management. Students may also pursue careers in environmental consultancy or industry, such as occupational safety and health, risk assessment, and waste management. This specialization is also designed to adequately prepare students for further pursuits of graduate studies in the fields of toxicology, public health, and environmental chemistry.

Required coursework includes

BIO 2600 - Human Physiology (4) or BIO 3620 - Medical Physiology(4)

BIO 3520 - Introduction to Human Microbiology (4) or BIO 3500 - General Microbiology (4)

BIO 3232 - Biochemistry I (4)

CHM 2340 - Organic Chemistry I (4)

ENV 3550 - Public and Environmental Health (3)

ENV 3680 - Fundamentals of Hazardous Materials Regulations (3) or ENV 3860 - Principles of Occupational Health (3)

ENV 4521 - Environmental Management Systems (3)

ENV 4460 - Industrial and Environmental Toxicology (3)

Specialization in environmental sustainability and resource management (minimum of 28 credits)

This option emphasizes the wise use of resources, especially as they affect human health and well-being. Program electives offer training for a variety of field and laboratory opportunities including planning, resource management, environmental protection and public policy.

1. Required coursework includes

BIO 3332 - Field Biology (4) or BIO 3312 - Field Botany (4) or BIO 3333 Tropical Field Ecology (3) or ENV 3750 - Introduction to Apiculture and Sustainability (4) or BIO 3362 - Permaculture (4)

ENV 3090 - Principles of Geology (3)

ENV 3120 - Energy and the Environment (4)

ENV 3700 - Principles of Soil Science (4)

ENV 3730 - Water Resources (3)

ENV 4520 - Geographic Information System Analysis for Sustainability (4)

2. Recommended electives include

Any ENV non-core course

BIO 3334 - Botany (4)

BIO 4330 - Ecology of Streams and Rivers (4)

CHM 2340 - Organic Chemistry I (4)

CHM 4100 - Environmental Chemistry (3)

CHM 4130 - Environmental Aquatic Chemistry (3)

AN 3720 - Human Adaptation (4)

ENV 3220 - The Food Quest (4) or AN 3133 - The Food Quest (4)

ENV 3540 - Global Environmental Governance (4) or PS 3730 Global Environmental Governance (4)

## Notes

Elective courses for the environmental sustainability and resource management specialization must be approved by the program director.

Students using this catalog to meet the environmental studies major requirements may also use any course subsequently approved under the recommended electives and published in a later catalog.

## Major Standing

Major standing must be achieved three semesters before graduation, and before a student reaches senior status, otherwise graduation may be delayed.

## Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

## Environmental Studies Concentration

Coordinator: Linda Schweitzer (Chemistry)

The concentration in environmental studies introduces students to the newer interdisciplinary perspectives needed to address today's environmental problems. Short- and long-range implications of human activities are analyzed, with emphasis on the technical and scientific issues.

Requirements for the concentration are a minimum of 28 credits in a planned and approved program of advanced courses built on introductory work in biology, chemistry, mathematics and physics. Typically, the 28 credits would include:

Environmental studies concentration suggested coursework

Core course

ENV 3080 - Introduction to Environmental Studies (4)

Sixteen credits of coursework:

Sixteen credits of coursework at the 3000 level or above selected from at least three rubrics (including ENV).

Recommend courses outside ENV rubric include:

AN 3720 - Human Adaptation (4)  
BIO 3330 - Ecology (5)  
BIO 3332 - Field Biology (4)  
BIO 3362 - Permaculture (4)  
BIO 3312 - Field Botany (4)  
CHM 4100 - Environmental Chemistry (3)  
CHM 4120 - Atmospheric Chemistry (3)  
CHM 4130 - Environmental Aquatic Chemistry (3)  
PS 3305 - Public Administration (4)  
PS 3310 - American Public Policy (4)  
PS 3730 - Global Environmental Governance (4)  
AN 3133 - The Food Quest (4)

#### Additional Information

At least 16 credits must be in non-duplicative coursework with another major.

A Concentration/Minor Authorization Form with an approved set of courses must be filed at least two semesters prior to graduation. Consult the program coordinator for details about course sequences and scheduling. See course descriptions for ENV course offerings.

## Department of History

416 VARNER HALL  
(248) 370-3510  
Fax: (248) 370-3528

Chairperson: James Naus

Professors emeriti: Linda Benson, James D. Graham, Mary Karasch, Roy A. Kotynek, Carl R. Osthaus, S. Bernard Thomas, Richard P. Tucker

Professor: Todd A. Estes

Associate professors: Getnet Bekele, Sara E. Williams, Daniel J. Clark, De Witt S. Dykes, Jr., Derek K. Hastings, Weldon C. (Don) Matthews, Karen A. J. Miller, George Milne, Seán Farrell Moran, James Naus

Assistant professors: Erin Dwyer, Yan Li, Elizabeth Shesko

Chief adviser: Elizabeth Shesko

The study of history at the undergraduate level has traditionally been considered one of the major paths to informed and effective citizenship. Its emphasis on broad knowledge, critical reading, careful judgment and precise writing offers excellent pre-professional preparation for many careers in business, government service, law, teaching, the ministry, journalism and library and museum service.

The Department of History guides students toward these careers and provides an opportunity to support academic preparation with field experience in the community (e.g., a historical society, museum or private or public agency). Oakland University's teacher preparation program draws on history in the elementary education major and minor concentrations in social studies and in the secondary teaching major and minor in history. Careers in college teaching and other forms of professional historical scholarship usually require post-graduate training, toward which solid work in the undergraduate major is extremely important. Students interested in achieving a Ph.D. in history should be aware that most graduate schools require demonstrated competence in one or two modern foreign languages.

The department's undergraduate program leads to the Bachelor of Arts degree. It also offers a Master of Arts program, which is described in the Oakland University Graduate Catalog. The department offers both undergraduate and graduate evening courses, and students can complete either the B.A. or M.A. entirely at night. All history students should plan their course of study in close consultation with a department adviser.

#### Departmental Honors and Scholarships

Department honors may be awarded to graduating majors for outstanding achievement in history as evidenced by faculty recommendations, high grades and a superior research paper. There is no statutory grade point minimum for honors, but the award is not normally made to students with less than a 3.50 grade point average in history. Inquiries should be addressed to the Department of History, 416 Varner Hall, (248) 370-3510.

Students are eligible for membership in Alpha Zeta Upsilon, Oakland University chapter of the international honor society in history, Phi Alpha Theta. Students are selected for membership on the basis of academic achievement. Inquiries should be addressed to the history department office. There is one scholarship, the George T. Matthews Scholarship, specifically for students majoring in history. Junior and senior history majors are eligible for a Holzbock Scholarship. There are five Holzbock scholarships of



\$2,500 each made annually to students in the humanities. Information about the Matthews and Holzbock scholarships is available in the department office.

### Course Prerequisites

Introductory and survey courses (HST 1100 - HST 2999) have no prerequisites. More advanced courses (HST 3000 - HST 3999) have a general prerequisite of writing proficiency (e.g., WRT 1060 or equivalent) plus any special requirements listed within the course descriptions. The most advanced research courses at the undergraduate level (HST 4000 - HST 4999) have a general requirement of 20 credits in history plus any special requirements listed within the course descriptions.

### Programs

- History Minor
- History Secondary Teaching Minor
- History, B.A.
- History, STEP

#### History Minor

Requirements for the liberal arts minor in history

The liberal arts minor in history requires a minimum of 20 credits as outlined below:

1. Eight credits in history courses numbered 3000 or above
2. At least 12 credits in history courses must be taken at Oakland University.
3. Only courses in which the student has earned a grade of C may be counted toward the history minor.

#### History Secondary Teaching Minor

Requirements for the secondary teaching minor in history

The secondary teaching minor in history requires 24 credits in history courses, including:

1. Required courses

HST 1100 - Introduction to American History Before 1877 (4)

HST 1200 - Introduction to American History Since 1877 (4)

HST 2010 - World History (4)

2. At least 8 credits of history courses numbered 3000 or above
3. Required methods course

- SED 4100 - ST: Teaching Secondary in the Minor Methods (4) (required in addition to the 24 credits in history courses)

#### Additional information

- Generally, application to OU STEP requires a minimum cumulative grade point average of 3.0 in courses in the major and the minor. To progress into the internship year, students admitted to the OU STEP must maintain a minimum GPA of 3.00 in both their major and minor coursework, with no single course grade below C.
- At least 12 credits in history courses must be taken at Oakland.
- Second undergraduate degree candidates completing the minor may be required to take additional courses at Oakland University beyond the state minimums.
- Students must consult with the secondary education minor adviser in the Department of History.

#### **History, B.A.**

Requirements for the liberal arts major in history, B.A. program

The major in history requires a minimum of 44 credits in history courses. There is an appropriate writing component in history courses at all levels. Only courses in which the student has earned a grade of C may be counted toward the history major. Students must complete the following requirements:

1. At least 8 credits numbered under 3000
2. At least 28 credits numbered 3000 or above including

HST 3010 - Historical Thinking and Writing (4)

HST 4980 - Historical Research Seminar (4)

One course in American history

One course in European history

One course in African, Asian, Middle Eastern, or Latin American history

3. No more than 12 credits in independent study (HST 3920 and HST 4995) may be counted toward the major.
  4. At least 20 credits in history courses must be taken at Oakland.
- Note

Students using this catalog to meet history major requirements may also use any course subsequently approved as satisfying requirements under the American; European; African, Asian or Latin American history; and capstone categories and published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts & Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **History, STEP**

#### Secondary Teacher Education Program (STEP): History

The Secondary Teacher Education Program (STEP) at Oakland University is an extended program of study leading to certification. Generally, eligibility for admission to the STEP requires a GPA of 3.00 in both the major and minor, and an overall GPA of 2.80. No single major or minor course grade may be below C. Since admission to this program is highly competitive, it is anticipated that successful applicants will have a GPA in history courses of at least 3.40 (including both OU and transfer credits). Second undergraduate major or degree candidates completing a major and/or minor may be required to complete additional coursework at Oakland University beyond the stated minimums. In any case, all history students interested in STEP:History should consult early and often with the history department's undergraduate adviser. Students in this program must complete the requirements for a B.A. degree in the College of Arts and Sciences and concurrently fulfill the requirements listed below:

1. A minimum of 44 credits including

HST 1300 - Introduction to European History Before 1715 (4)

HST 1400 - Introduction to European History Since 1715 (4)

HST 1100 - Introduction to American History Before 1877 (4)

HST 1200 - Introduction to American History Since 1877 (4)

2. At least 28 credits must be numbered 3000 or above and must include

HST 3010 - Historical Thinking and Writing (4) (must be completed with a minimum grade of B)

HST 4980 - Historical Research Seminar (4) (must be completed with a minimum grade of B)

One course in American history

One course in European history

One course in African, Asian, Middle Eastern, or Latin American history

3. No more than 12 credits in independent study (HST 3920 and HST 4995) may be counted toward the major.

4. At least 20 credits in history courses must be taken at Oakland.

5. Required education courses

A sequence of undergraduate coursework in education is required, including:

- SED 3000 - Introduction to Secondary Education (4) (must be completed prior to STEP application; includes a required field experience)
- FE 3010 - Educational Psychology for K-12 Educators (4) may include a field experience)
- DLL 4197 - Digital Technologies in the Secondary Classroom (4)
- RDG 4238 - Teaching Reading in the Content Areas (4) (includes a required field experience)
- SE 4401 - Introduction to Students with Special Needs (4) (may include a required field experience)
- SED 4100 - ST: Teaching Secondary in the Minor Methods (4) (pedagogy course that includes a required field experience)
- SED 4200 - ST: Teaching Secondary of the Major Methods (4) (pedagogy course that includes a required field experience)
- SED 4951 - Internship I: Pre-Student Teaching (4)
- SED 4952 - Internship in Secondary Education (8)

#### 6. Secondary teaching minor or endorsement concentration

A program in STEP must also include a 20-28 secondary teaching minor or an endorsement concentration. Teaching minors available to History STEP students include biology, chemistry, economics, English, teaching English as a second language (TESL), mathematics, physics, and political science; the endorsement concentration in social studies may be elected by History STEP students only. See below for information on this concentration.

Additional information

Further details on program admission requirements and procedures can be found in the School of Education and Human Services portion of the catalog and by consulting advisers in the Department of History and the School of Education and Human Services advising office at 363 Pawley hall, (248) 370-4182, or the School of Education and Human Services web site.

Secondary Teacher Education Program (STEP): Endorsement Concentration in Social Studies

Students who are earning a STEP: History major are eligible to also complete the requirements for a social studies (RX) endorsement concentration. Only students who have completed the requirements for a history major may be certified by Oakland University to teach social studies at the secondary level. Generally, a cumulative grade point average of 3.00 is required in the endorsement, with no single grade below C. At least 20 credits must be taken at Oakland. Students interested in the social studies endorsement should consult early and often with the history department's undergraduate adviser. In addition to completing the requirements for a history STEP major, students must complete the following:

1. Two approved history courses in two different regions of the following areas

Asia, Latin America, Middle East and Africa (see adviser for options and availability)

2. Two of the following IS courses

- IS 2100 - Perspectives on China (4)
- IS 2200 - Perspectives on Japan (4)
- IS 2300 - Perspectives on Africa (4)
- IS 2400 - Perspectives on India (4)
- IS 2500 - Perspectives on Latin America (4)
- IS 2600 - Perspectives on Russia and Eastern Europe (4)
- IS 2700 - Perspectives on the Middle East (4)

3. Required course

- PS 1100 - Introduction to American Politics (4)

4. Required course

- PS 1600 - Issues in World Politics (4) or PS 1400 - Comparative Politics (4)

5. Required course chosen from

- PS 3130 - Local Government and Politics (4)
- PS 3135 - State Politics (4)
- PS 3140 - Michigan Government Politics and Policy (4)

6. Required course chosen from

- PS 3105 - Congress and the Legislative Process (4)
- PS 3110 - American Presidency (4)
- PS 3115 - The Judicial Process (4)
- PS 3155 - Political Parties and Interest Groups (4)

7. Required course

- PS 3310 - American Public Policy (4)

8. Required course

- HST 3210 - History of American Foreign Relations in the Twentieth Century (4)

( PS 3610 - United States Foreign Policy (4) may be substituted for HST 3210)

### 9. Required courses

ECN 2000 - Principles of Macroeconomics (4) or ECN 2020 - Principles of Global Macroeconomics (4)  
 ECN 2010 - Principles of Microeconomics (4)

### 10. Required course

GEO 2000 - Global Human Systems (4)

### 11. Required course

HST 2010 - World History (4)

## Courses

### Course prerequisites

Introductory and survey courses (HST 1300-2999) have no prerequisites. More advanced courses (HST 3000-3999) have a general prerequisite of writing proficiency (e.g., WRT 1060) plus any special requirements listed within the course descriptions. The most advanced research courses at the undergraduate level (HST 4000-4999) have a general requirement of 20 credits in history plus any special requirements listed within the course descriptions.

### HST 1100 - Introduction to American History Before 1877 (4)

Surveys American history from colonial times through the Reconstruction era, focusing upon the formation of the United States and the forces promoting unity and division in the new nation. Satisfies the university general education requirement in the western civilization knowledge exploration area. Satisfies the university general education requirement in U.S. diversity.

### HST 1200 - Introduction to American History Since 1877 (4)

Surveys American history from Reconstruction to the present, emphasizing the emergence of the United States as an industrial-urban nation with global interests. Satisfies the university general education requirement in the western civilization knowledge exploration area. Satisfies the university general education requirement in U.S. diversity.

### HST 1300 - Introduction to European History Before 1715 (4)

Surveys the history of Europe from the ancient period through the Middle Ages, Renaissance, Reformation and the Early Modern periods. Satisfies the university general education requirement in the western civilization knowledge exploration area.

### HST 1400 - Introduction to European History Since 1715 (4)

Surveys the history of Europe from the Enlightenment to the present. Satisfies the university general education requirement in the western civilization knowledge exploration area.

#### HST 2010 - World History (4)

Surveys major trends in world history 3000 BCE to the present, including technological, economic, and political transformations. Satisfies the university general education requirement in the global perspective knowledge exploration area.

#### HST 2020 - Piracy in the Atlantic World, 1500-1831 (4)

Examines popular images of pirates and piracy in the light of historical sources and historians' analyses. Investigates the social, political, religious, and economic motivations for piracy and its role in the development of the Atlantic world.

#### HST 2105 - The History of Michigan (4)

Explores Michigan history from the pre-colonial era through the late 1900s, with emphasis on political, economic, environmental, and social themes. Includes Michigan's place in the history of European colonization and early American settlement. Material is grounded in a broader narrative of American and world history.

#### HST 2280 - History of the African-American People (4)

Surveys the African-American experience from the African background through the Civil War and post-Civil War periods to the present. Satisfies the university general education requirement in the Western civilization knowledge exploration area. Satisfies the university general education requirement in U.S. diversity.

#### HST 2380 - Science and Technology in Western Culture (4)

A survey of the development of science from antiquity to the present with reference to its technological consequences and influence upon society. Satisfies the university general education requirement in the western civilization knowledge exploration area.

#### HST 2500 - Introduction to Middle East History (4)

Introduction to the history of the Middle East from the rise of Islam to the recent past, surveying major themes in religious, political, and social history as well as historiographical issues. Satisfies the university general education requirement in the global perspective knowledge exploration area.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 2600 - Introduction to Latin American History to 1825 (4)

Survey of pre-Colombian and colonial Latin America to 1825, stressing the hybridization of the society, its socio-economic institutions, the influence of religious and then Enlightenment thought and the coming of political independence.

#### HST 2602 - Introduction to Latin American History since 1825 (4)

Surveys the national period of Latin America from 1825 to the present, emphasizing the role of race in national identities, the problems of nation-building and modernization, the emergence of nationalism and militarism, and the roots of social revolutionary ferment.

#### HST 2910 - Study Abroad (4)

For majors and non-majors. Topics will vary from year to year depending on the location. May be repeated once for additional credit.

Prerequisite(s): permission of the department chair.

#### HST 3000 - Seminar in Historical Research (4)

The development of critical judgment regarding the nature and use of historical evidence: historiographical readings, library investigation into specific topics within a general historical subject, a research paper and a presentation of the paper to the seminar. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): one history course and history major or permission of instructor.

#### HST 3010 - Historical Thinking and Writing (4)

The process of historical thinking and the building of historical arguments with evidence. Development of writing and revising skills for the discipline of history. Emphasizes short weekly writing and peer-editing assignments. Area of historical focus varies by instructor. Satisfies university general education requirement for writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3105 - North American Borderlands (4)

The history and evolution of the North American borderlands and the creation of the United States west from colonial times to the present. Includes contact and conflict among Native Americans, Spanish, French, British, and Americans.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3110 - History of the North American Colonies (4)

Traces the development of Spanish, French, Dutch, and English colonies in North America from 1492 to 1763. Reviews their social, political, and religious dimensions. Attention given to roles of Africans and non-elite European and Euro-American men and women.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3120 - The American Revolution (4)

Considers the broad social and political movements leading to the Revolution as well as the many different meanings and interpretations of the event, and the immediate and long-term effects of legacies of the Revolution.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.



**HST 3122 - The American Founding (4)**

Examines the founding of the United States from independence through the Confederation era, the drafting and ratification of a new Constitution, and the adoption of the Bill of Rights.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3125 - The U.S. Early National Period, 1787-1815 (4)**

Examines the political and social development of the new nation from the constitution through the end of the War of 1812.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3130 - Jacksonian America (4)**

Examines the chief political, social, cultural, economic, and religious developments from the War of 1812 to the end of the Mexican War.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3132 - The Early U.S. Presidency (4)**

Explores the creation, growth, and development of the early American presidency from 1789-1848. Focuses on both the evolution of the institution as well as on the individuals who held the office.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3135 - The Development of Political Practices in Early America (4)**

The development of politics and political culture in the U.S. from the Colonial period through the Age of Jackson. Emphasis will be placed on defining, recognizing and understanding political culture, and the variations in political development and practices by region and social class.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3140 - History of the American South (4)**

The South from colonial times to the 1960s, emphasizing the transition from the agrarian, slave South of the antebellum period to the modern South of the 20th century. Satisfies the university general education requirement in U.S. diversity.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3145 - The Civil War and Reconstruction, 1850-1876 (4)**

The origins of secession, the wartime problems of the Union and the Confederacy, the principal military campaigns, the Reconstruction era and the creation of a new union, and the significance of the Civil War and Reconstruction in American history.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3200 - American History, 1876-1900 (4)**

The New South, industrial consolidation, the origins of the modern labor movement, the rise of the city, immigration, agrarian protest movements, the businessman's philosophy and the challenge to laissez-

faire.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

HST 3202 - American History, 1900-1928 (4)

Social, political and economic developments in the U.S. during the progressive era and the decade of the 1920s.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

HST 3204 - American History, 1928-1945 (4)

A history of the Great Depression and World War II. Topics will include the One Hundred Days, the foundation of the modern welfare state, the foundation of the modern civil rights movement, the reorganization of American corporate enterprise and the role of the United States in international peacekeeping.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

HST 3206 - Cold War America, 1945-1990 (4)

The origins of the Cold War, its impact on American foreign relations and domestic politics, its decline and demise.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

HST 3210 - History of American Foreign Relations in the Twentieth Century (4)

American foreign policy and diplomacy from the Spanish-American War to the present, including American imperialism, Caribbean and Far Eastern policies, involvement in the world wars and the Cold War, and nuclear diplomacy.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

HST 3220 - History of the American Industrial Economy and Society (4)

The development of the American industrial system and its impact on business organization, labor, government and the international economy.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

HST 3225 - History of American Mass Media (4)

The establishment and growth of mass communication in the United States, focusing on the development of print, film, radio and television and their impact on society and popular culture.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

HST 3230 - American Labor History (4)

The economic, social and political history of the American work force with emphasis on the history of organized labor.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

HST 3235 - Working Detroit (4)

Explores the history of 20th-century Detroit from the perspectives of its workers and unions. Key themes include immigration and ethnic diversity, the rise of mass production, the union movement, race relations, gender and the labor force, the postwar boom, and de-industrialization.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3240 - Careers in Public History (4)

Through readings, field trips, and guest lectures, introduces students to the variety of careers in public history, including working in museums, archives, documentary film, libraries, digital history, primary and secondary education, historical sites and parks.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3250 - Oral History (4)

Explores the complexities of a methodology widely used in historical research: interviewing people to learn about the past. Students will design their own oral history projects and conduct their own interviews.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3265 - Women in Modern America (4)

An analysis of the role of women in industrial America which will examine the legal role of women, their presence in the labor force, and their participation in the political system. Identical with WGS 3880.

Satisfies the university general education requirement in U.S. diversity.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3270 - History of American Cities (4)

History of American cities from pre-industrial America to the present, emphasizing the effect of such forces as industrialization, immigration, migration, trade, economic patterns and transportation upon city organization and life.

Prerequisite(s): WRT 1060 or equivalent.

#### HST 3275 - History of American Families (4)

History of American families as social institutions, emphasizing the impact of historical events and trends upon family composition, family functions and family life. Includes research in the student's personal family history. Identical with WGS 3821. Satisfies the university general education requirement in U.S. diversity.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3277 - History of Murder in America (4)

The history of American murder, from the legal system's origins in British Common Law, to the present. Exploration of conditions that have led murder rates to rise and fall, why that murder rate is uniquely American, evolving views about murderers and murder victims, and the history of representations of murder in popular culture. Due to the nature of the class some texts and images will be of a graphic

violent nature.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3280 - The Civil Rights Movement in America (4)

Surveys the system of racial segregation and discrimination established in the 19th century and the contribution of 20th century civil rights organizations to fight racial discrimination. World War II and the mass action movements of the 1950s and the 1960s will receive significant attention. Satisfies the university general education requirement in U.S. diversity.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3285 - History of African-American Women (4)

Covers the collective and individual experiences of African-American women from slavery to the present, including the quality of family life, economic roles, and their activities in women's civil rights and political organizations. Identical with WGS 3822. Satisfies the university general education requirement in U.S. diversity.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3288 - Topics in African American History (4)

The economic, social and political activities, status, organizations and institutions of African-American people, emphasizing the twentieth century.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3290 - History of Religions in the U.S. (4)

Examines the evolution of American religions from pre-contact times to the present, with an emphasis on immigration, church-state separation, diversity, and pluralism.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3295 - Religion, Politics and American Culture (4)

Provides an historical analysis of the intersection of religion and American politics. Examines the connections between faith and political activism. Focusing on the period since the Civil War, it will emphasize controversies over the separation of church and state, religiously oriented social reform, and the rise of the religious right.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3310 - Ancient Greece and Rome (4)

Provides an historic overview of the various intellectual, political, and cultural legacies of ancient Greece and Rome from the Homeric period to the collapse of the Roman Empire.

Prerequisite(s): HST 1300 and WRT 1060 with a grade of (C) or higher.

#### HST 3315 - Science and Medicine in the Ancient World (4)

Theories about nature, health, disease, and technology in the Greek and Roman world from 500 BC to 300 AD. Science and medicine are considered in relation to Greek and Roman politics, cultural ideals,

and social structures. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

#### HST 3320 - The Middle Ages, 300 - 1100 (4)

The European Middle Ages from about A.D. 300 to 1100, with special emphasis on intellectual developments.

Prerequisite(s): HST 1300 recommended; WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3322 - The Middle Ages, 1100-1500 (4)

Considers the period of the High and Late Middle Ages, roughly from the eleventh century through the fall of Constantinople in the mid-fifteenth. Provides an introduction to the main people and cultures, ideas and institutions of the Middle Ages, and the techniques used by medieval historians to interpret sources.

Prerequisite(s): WRT 1060 equivalent with a grade of (C) or higher.

#### HST 3325 - The Crusades (4)

Considers the crusades in their historical and religious context and the ways in which the crusading movement influenced cultural development across Europe and the East. Provides an understanding of what the crusades were, what they were not, and why they continue to fascinate the modern world.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3327 - Medieval Noble Culture (4)

Surveys the world of the medieval nobility in the Central Middle Ages, c. 1000-1250. Topics include the rise of the knightly class, the role of castles, the function of blood feuds and vengeance, the importance of women and family to the nobility, and the way nobles connected to the crusades.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3330 - Ireland, Prehistory to 1691 (4)

Ireland from its prehistory until the Battle of the Boyne emphasizing the development of indigenous Irish culture and institutions. Topics include the Celts and Gaelic society, early Irish Christianity, the Vikings, Anglo-Norman intervention, Gaelic resurgence and the Geraldines, the Tudor conquest, Ulster plantation and Jacobite resistance.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3335 - England, 1066-1485 (4)

Emphasizes the history of England between the Conquest and the Tudors, including cultural and social trends as well as political and dynastic developments and conflicts, domestic and foreign.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher. HST 1300 recommended.

#### HST 3340 - The Italian Renaissance (4)

The European Renaissance period, with emphasis on the Italian experience. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3345 - The Reformation (4)

European humanism, with emphasis on the Lowlands, France and Germany; the background, development and impact of the Protestant Reformation.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3350 - The Scientific Revolution (4)

Examines major changes in theories about nature and medicine during years 1500-1700, including development of new methods and social settings for scientific inquiry that eventually led to the rise of modern science. No prior knowledge of science or higher mathematics is required. Satisfies the university general education requirement for a writing intensive course in general education.

Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): WRT 1060

#### HST 3355 - Occult Sciences and Witchcraft in Early Modern Europe (4)

Examines the occult sciences (alchemy, astrology and natural magic) and witchcraft in Europe during the 16th and 17th centuries. Focuses on why people believed witchcraft and occult sciences were valid. Also examines the links between occult sciences and the eventual development of the scientific revolution.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3360 - Society and Culture in Early Modern Europe (4)

The lives of common men and women in early modern Europe. Topics include family and work, sexuality and gender, religion and folklore, riots and rebellion, printing and literacy.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3365 - Women in Early Modern Europe, 1500-1789 (4)

Assesses women's contributions to the changes and events of early modern Europe, examines women in the private and public spheres, and explores the dynamic of gender in studying the impact of women on politics, the economy, literacy and culture, and religious practices and beliefs. Identical with WGS 3816.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3370 - Europe in the Seventeenth Century (4)

A comparative analysis of European societies: the articulation of absolutism and constitutionalism, the emergence of the European states system, the origins and impact of modern science, the culture of the baroque and the development of commercial capitalism.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3375 - Europe in the Eighteenth Century (4)

A comparative analysis of European societies: the old regime in Europe, beginnings of industrial development, the Enlightenment as a political and social movement, reform under the monarchy and the emergence of democratic ideologies, and the French Revolution.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3390 - Early Modern France (4)

History of early modern France (1550s-1750) including the Wars of Religion, reigns of Henri IV, Louis XIII and Louis XIV, and the Enlightenment.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3395 - French Revolution (4)

Survey of the revolutionary era in France beginning with the reign of Louis XVI (1774) and ending with the Battle of Waterloo (1815). Examines the origins, development and impact of the French Revolution with an emphasis on topics in political and cultural history.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

#### HST 3400 - Europe since 1914 (4)

An analysis of Europe in world perspective since World War I.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3405 - Nationalism in Modern Europe (4)

Origins and development of nationalism in Europe from the eighteenth through the twentieth century. Political formation of European nation-states, the varied cultural manifestations of nationalism and the reawakening of European nationalism in the aftermath of the Cold War.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3410 - European Thought and Ideology from the French Revolution to the Present (4)

Examines the history of ideas and intellectual life in the history of Modern Europe. Topics include the development of revolutionary culture and ideas, Romanticism, secularization and religion, realism/naturalism, liberalism, conservatism, socialism/communism, the "new right" and fascism, modern scientific thought, the Holocaust, existentialism, post-modernism, and nationalism.

Prerequisite(s): HST 1400 or equivalent or permission of instructor. WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3420 - Ireland, 1691 to the Present (4)

Modern Ireland from the Williamite wars to contemporary Ireland. Emphasis on the question of Irish national identity. Topics include colonial Ireland, revolution and the union, Catholic emancipation, the Great Famine, nationalism and republicanism, 1916, forging the new state and society and the North.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3425 - Scotland: 1689 to Present (4)

History of the Scottish nation from the revolution of 1689 to the present. Special attention will be given to the interaction of cultural, political and social developments, and the emergence of a self-conscious separate national identity.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3430 - Britain, 1815-1911 (4)

A consideration of the political, cultural, social and intellectual life of the British peoples from the passage of the Corn Laws to the Parliament Act of 1911.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3435 - Britain, 1911 to Present (4)

An analysis of British political, cultural and social history from the eve of World War I to the present.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3450 - Modern Italy: National Unification and the 20th Century (4)

An examination, stressing political and institutional history, of early efforts to create Italian national unity, the means by which Italy was held together following unification of 1861, and the fate of the Republic from 1946 onward.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3480 - Germany since 1740 (4)

German politics, society and diplomacy from Frederick the Great to the present.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3484 - The Weimar Republic, 1918-1933 (4)

Examination of Germany's first experiment in democracy. Special attention given to the Weimar Republic's political structures, its major cultural innovations, and the reasons for the system's collapse in the face of the Nazi rise to power.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3485 - Nazi Germany: Society, Politics and Culture (4)

Introduction to the Nazi regime in Germany. Special attention given to the origins and early years of the Nazi movement, as well as to the nature of German society, politics and culture during the Third Reich.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3490 - History of Modern Russia (4)

The historical development of Russia from its roots to the present. Special emphasis will be placed on events after World War II and the perestroika.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3495 - Eastern European History (4)



The historical development of the peoples and states of Eastern Europe and the Balkans from the Middle Ages to the present will be examined in broad outline.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3500 - Islamic Empires, 600 - 1600 (4)

Explores the rise and expansion of Islamic empires from the Prophet Muhammad to the gunpowder empires. Themes include Islamic conquests, jihad, caliphates, sharia', women, and non-Muslims.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3510 - The Modern Middle East (4)

Covers the major themes in Middle East history since 1800 including Orientalism, imperialism, nationalism, liberal movements, gender relations, and the emergence of the Islamic movements.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3520 - The Cold War in the Middle East (4)

Examines conflict and peace making in the Middle East in the context of the Cold War, especially decolonization, nationalism, and revolution as these issues were affected by U.S. - Soviet rivalry.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3540 - The Arab-Israeli Conflict (4)

Examines the origins and development of the Arab-Israeli conflict, the emergence of a peace process, and the collapse of that process, focusing primarily on the development of Israeli and Palestinian political identities and institutions.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3550 - Modern Iran and Iraq (4)

Examines the historical relationship between Iran and Iraq, with special attention to the period since 1800. Cultural similarities such as religion and ethnicity will be highlighted as dimensions which complicate political relationships across time. Students will develop an historical understanding of the basic themes of political identity, imperialism, and development.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3660 - History of Argentina, Brazil, and Chile (4)

The political, social, and cultural history of Argentina, Brazil, and Chile from the 19th century to the present, including Indian warfare and slavery; immigration, industrialization and nationalism; dictatorship and transition to democracy; race, soccer, and carnival.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3665 - Indigenous Movements in Latin America, 1492-Present (4)

Military and social movements by indigenous people in Latin America from the conquest to the present.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

**HST 3670 - Latin American Revolutions (4)**

Comparative approach to revolutionary movements in Latin America, including their origins and their effects on society, culture, national politics, and international relations.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3675 - Slavery and Race in Latin America (4)**

Comparative approach to the study of slavery in Latin America and the Caribbean and ideas about race in these areas.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3710 - Ancient and "Medieval" African Civilizations (4)**

Explores the history of Africa's ancient civilizations-- Egypt, Nubia, Aksum-- and regional development in northern, western, and eastern Africa to 1500 C.E. Topics include migration and settlement, agriculture, technology and ideology, the spread and impact of world religions, trade, and the exchange of ideas.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3715 - African Cultural History (4)**

Examines the evolution of African societies and politics between 1500 and 1850 in the context of global antecedents and regional configuration of power and resources. Special emphasis will be given to slavery and the slave trade.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3720 - Modern African History Since 1800 (4)**

Political, social and economic history of Africa in the 19th and 20th centuries including Islam's place in the building of empire-states in West Africa, versions of modernity, European colonization and African responses, and the African experience in state-building in the post-colonial era.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3730 - Postcolonial Conflicts in African History (4)**

Using postcoloniality as an organizing theme, surveys large scale conflicts in contemporary African history. Includes a discussion of origins, causes and broader contextualization of post World War II Africa.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3740 - African Environmental History (4)**

Examines the evolution of African environmental and ecological systems with an emphasis on climate change, hydrology, and human/environmental interaction, and the role of colonialism and economic development in environmental change. Identical with ENV 3890.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3805 - China: The Middle Kingdom before 1700 (4)**

Explores the foundation of Chinese civilization and the rise of the Chinese empire until the beginning of the Qing dynasty. Major topics include the ancient roots of Chinese civilization, Confucianism, Daoism, Chinese Buddhism, empire building from Qin to Han, Tang cosmopolitanism, Song-Yuan transformation, Ming-Qing expansion and stagnation, and gender relations.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3810 - China's Last Dynasty: The Qing, 1644-1911 (4)

History of China's last great dynasty from its founding by the Manchus in 1644 through its powerful early emperors to its final collapse in 1911. Course includes discussion of traditional Chinese culture and institutions, territorial expansion, the Opium Wars and the 19th century revolutionary movement.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3815 - China in Revolution, 1911-1949 (4)

China's 20th century revolutionary experience, focusing on the 1911, 1928 and 1949 revolutions. Topics include the struggle between China's two revolutionary parties, the Nationalists and Communists; social change under the Republic; World War II in Asia; and the civil war that brought the Chinese Communist Party to power in 1949.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3820 - China Since 1949 (4)

History of China from 1949 to the present, focusing on major policies and personalities of the Maoist period (1949-1976) and on the dramatic social and economic changes which have occurred since 1976.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3825 - China and Inner Asia (4)

China's historical relations with Inner Asia: Chinese policy toward steppe empires north of the Great Wall including nomadic Xiongnu, Turks, early Tibetans, and Mongolians. Emergence of modern Inner Asian peoples such as the Uyghurs, Kazaks, and Manchus, and the role of Inner Asia in shaping modern China.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3830 - Women in China: Past and Present (4)

Women's changing position in modern China: their status in traditional Chinese society, contributions to modernization in China during the revolutionary period (1912-1949), and struggle for equality since 1949. Identical with WGS 3825.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

#### HST 3870 - Origins of Modern Japan, 1568-1912 (4)

Japan from the "late feudalism" of the Tokugawa period through the first phase of Western-style modernization in the Meiji period. Themes include the perfection and decay of the samurai state, the Meiji revolution, nationalism, imperialism and movements for social and political democracy.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3875 - Twentieth-Century Japan (4)**

Japan since the Meiji period: the Taisho democracy movement, the changing position of women, fascism and militarism, total war, the American occupation and the rise to economic superpower status.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3900 - Selected Topics in Cross-Cultural History (4)**

For majors and non-majors. Topics in cross-cultural history vary from year to year. May be repeated for additional credit under different subtitle.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3903 - Selected Topics in European History (4)**

For majors and non-majors. Topics in European history vary from year to year. May be repeated for additional credit under different subtitle.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3906 - Selected Topics in World History (4)**

For majors and non-majors. Topics in world history vary from year to year. May be repeated for additional credit under different subtitle.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3909 - Selected Topics in American History (4)**

For majors and non-majors. Topics in American history vary from year to year. May be repeated for additional credit under different subtitle.

Prerequisite(s): WRT 1060 or equivalent with a grade of (C) or higher.

**HST 3910 - Study Abroad (4)**

For majors and non-majors. Topics will vary from year to year, depending on the location. May be repeated once for additional credit.

Prerequisite(s): permission of department chair.

**HST 3920 - Directed Readings in History (2 TO 8)**

Independent but directed readings for juniors and seniors interested in fields of history in which advanced courses are not available. Offered each semester.

Prerequisite(s): permission of instructor.

**HST 3930 - Field Experience: Public History (4)**

Field experience in history, with faculty supervision that incorporates student performance in an occupational setting. May not be repeated for credit.

Prerequisite(s): junior/senior standing; 24 credits in history, of which at least 8 must be at the 3000-4000 level; completion of HST 3000 with a (B+) or better.

**HST 4110 - Native America to 1840 (4)**

Study of the major trends within the histories of Native Americans from pre-Contact to the Removal Era. An emphasis will be placed upon the diversity of American Indian civilizations.

Prerequisite(s): HST 1100 and WRT 1060 or equivalent with a grade of (C) or higher.

HST 4115 - Native America since 1840 (4)

Major trends within the histories of Native Americans since the Removal Era. The Plains Wars, reservation policies, termination, and twentieth-century American Indian legal and social issues will be covered.

Prerequisite(s): WRT 1060 with a grade of (C) or higher.

HST 4250 - The U.S. and the War in Vietnam (4)

Examination of the war in Vietnam as a case study in American diplomatic history. Primary focus will be on the Johnson and Nixon administrations, although the war will be viewed in a much larger historical context.

Prerequisite(s): HST 1200 or HST 3206 or HST 3210 and WRT 1060 with a grade of (C) or higher.

HST 4980 - Historical Research Seminar (4)

Investigation of topics in history in a capstone seminar setting. Substantive issues, research techniques and historiographical problems will be considered. Research paper to be submitted at course conclusion. Topics vary. May not be taken simultaneously with HST 3000 or HST 3010. May be repeated for additional credit. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): HS 3000 or HST 3010 and two HST courses at the 3000 level.

HST 4995 - Directed Research in History (4 TO 12)

Directed individual research for advanced history majors. Offered each semester.

Prerequisite(s): permission of instructor and HST 3000

## International Studies Program

Varner Hall, Room 217  
371 Varner Drive  
Rochester, MI 48309-4485  
(248) 370-2154

Director: Paul Kubicek (Political Science)

International Studies Faculty:

Africa and African-American Studies: Getnet Bekele (History), DeWitt Dykes (History), Matthew Fails (Political Science), Mark Stone (Music, Theatre and Dance).

Chinese Studies: Hsiang-Hua (Melanie) Chang (Chinese), Alan Epstein (Political Science), Yan Li (History), Mingming Liu (Chinese), Chiaoing Su (Journalism)

Japanese Studies: Stephen Filler (Japanese),

Latin American Studies: Henri Gooren (Anthropology), Emmett Lombard (Political Science), Aldona Pobutsky (Spanish), Cecilia Saenz-Roby (Spanish), Elizabeth Shesko (History)

Middle Eastern Studies: Paul Kubicek (Political Science), Laura K. Landolt (Political Science), Weldon C. Matthews (History)

Russian and East European Studies: Cristian Cantir (Political Science), Paul J. Kubicek (Political Science)

Drawing on faculty from various disciplines, the International Studies Programs offers for general education a variety of interdisciplinary courses that introduce students to the civilizations of seven world areas outside of North America and Western Europe: China, Japan, Africa, India, Latin America, Russia and Eastern Europe and the Middle East. In these courses, students will explore various aspects of these civilizations: art, government, history, language, literature, music, religion and social organization. Also offered are major and minor programs that focus on these world areas. Its major programs include Chinese Studies, Japanese Studies, and Latin American Studies. Its minor programs include African and African-American Studies, Chinese Studies, Japanese Studies, Latin American Studies, Middle Eastern Studies, Russia and Eastern European Studies, and South Asian Studies.

#### Departmental Honors

Honors are available to outstanding students in the majors. A GPA of 3.60 or higher in courses credited to the major is required. Because basic language courses at the 1000 and 2000 level are not counted toward the total number of credits for the major, such courses may not be figured into the GPA for departmental honors. Qualified students may apply for honors at the start of the semester in which they will graduate. For more specific information, students should contact the International Studies Program, 521 Varner Hall, (248) 370-2154.

#### Study Abroad Opportunities

The following are some of the study abroad opportunities offered through the International Studies Program or the Office of International Education. Visit the International Education website for additional information.

Student Exchange Program, Nanzan University, Nagoya, Japan. Two-semester program. One year of Japanese language required. Courses taught in English. Housing with Japanese family. Coordinator: Seigo

Nakao, Department of Modern Languages and Literatures, 354 O'Dowd Hall, nakao@oakland.edu, (248) 370-2066.

Japan Center for Michigan Universities, Hikone, Shiga, Japan. Two-semester program. No language proficiency required. Courses taught in English. Housing in Center's dormitory. Coordinator: Seigo Nakao, Department of Modern Languages and Literatures, 354 O'Dowd Hall, nakao@oakland.edu, (248) 370-2066.

Macerata and Siena, Italy, Study Abroad Program. One-semester and two-semester programs. No language proficiency required. Courses taught in English. Housing with Italian family. Contact: Alex Zimmerman, International Education, 160 North Foundation Hall, (248) 370-2889.

Segovia, Spain, Study Abroad Program. Fall, winter or summer program. Two years of college-level Spanish required. Courses taught in Spanish. Housing with Spanish family. Contact: Alex Zimmerman, International Education, 160 North Foundation Hall, (248) 370-2889.

Student Exchange Program, University of Orléans, Orléans, France. One-semester or two-semester program. Two years of college-level French required. Courses taught in French. Housing prior to start of class and holidays with a French family; otherwise, in university dormitory. Coordinator: Stacey L. Hahn, Department of Modern Languages and Literatures, 350 O'Dowd Hall, (248) 370-2062 or messages at (248) 370-2060. Offered in cooperation with the Department of Modern Languages and Literatures.

Student Exchange Program, University of Oldenburg, Oldenburg, Germany. One-semester or two-semester program. Two years of college-level German required. Courses taught in German. Housing in university dormitory, shared flat with other students, or room in private house near University. Buddy Program with German students. Coordinator: Christopher Clason, Department of Modern Languages and Literatures, 352 O'Dowd Hall, (248) 370-2099.

Chinese Language and Culture Program at the China Foreign Affairs University, Beijing. Intensive 5-week language and culture study offered periodically in May and June. Beginning and intermediate level Chinese language courses taught in Chinese; culture courses taught in English. Culmination of program is a one-week tour of historic sites in Northern and Southern China. Housing in college's international guest house/dormitory on campus. Coordinator: Hsiang-Hua (Melanie) Chang, Department of Modern Languages and Literatures, 368 O'Dowd Hall, (248) 370-4248.

British Studies at Oxford, Oxford University, Oxford, England. One four-week session in July. No foreign language proficiency required. Courses taught in English. Housing in college's private rooms. Coordinator: Brian Connery, Department of English, (248) 370-2254).

For specifics about any of these programs (minimum GPA requirement, if any, course offerings, costs, faculty and other eligibility requirements), the student should contact the individual program

coordinator. For additional information about other study abroad opportunities, see the Department of Modern Languages and Literatures.

### Programs

- African and African-American Studies Minor
- Chinese Studies Minor
- Chinese Studies, B.A.
- International Studies Minor
- International Studies, B.A.
- Japanese Studies Minor
- Japanese Studies, B.A.
- Latin American Studies Minor
- Latin American Studies, B.A.
- Middle Eastern Studies Minor
- Russian and East European Studies
- South Asian Studies Minor

### **African and African-American Studies Minor**

Requirements for the liberal arts minor in African and African-American Studies

A minimum of 20 credits of coursework consisting of:

- a. Introductory course in the chosen region of study
- b. Sixteen additional credits as indicated for each world area, including up to, but no more than, eight credits of language study appropriate to the chosen area, at any level

#### 1. Introductory Course

IS 2300 - Perspectives on Africa (4)

#### 2. Plus 16 credits drawn from

AH 3050 - African Art (4)

AH 3720 - Women in Art (4)

ENG 3520 - African American Literature (4)

HST 3280 - The Civil Rights Movement in America (4)

HST 3288 - Topics in African American History (4)

HST 3285 - History of African-American Women (4)

HST 3675 - Slavery and Race in Latin America (4)

HST 3710 - Ancient and "Medieval" African Civilizations (4)



HST 3715 - African Cultural History (4)  
 HST 3720 - Modern African History Since 1800 (4)  
 HST 3730 - Postcolonial Conflicts in African History (4)  
 HST 3740 - African Environmental History (4)  
 IS 3970 - Seminar in African-American Studies (4)  
 IS 3974 - Seminar in African Studies (4)  
 MUS 1007 - Exploring Jazz (4)  
 MUS 1010 - Exploring African Music (4)  
 MUS 1011 - Exploring Caribbean Music (4)  
 PS 3215 - The Politics of Race and Ethnicity (4)  
 PS 3410 - African Politics (4)  
 PS 3550 - Politics of Development (4)  
 SOC 3610 - Racial and Ethnic Relations (4) or AN 3127 - Racial and Ethnic Relations (4)  
 Language options: French, Spanish or Arabic

#### Other coursework

Relevant independent study, directed research, or special topics coursework (e.g., IS 3900) may also count toward fulfillment of the minor requirements, subject to international studies academic adviser approval.

#### **Chinese Studies Minor**

Requirements for the liberal arts minor in Chinese Studies

A minimum of 20 credits of coursework consisting of:

- a. Introductory course in the chosen region of study
- b. Sixteen additional credits as indicated for each world area, including up to, but no more than, eight credits of language study appropriate to the chosen area, at any level

#### 1. Introductory course

IS 2100 - Perspectives on China (4)

#### 2. Plus 16 credits drawn from

AH 1003 - Arts of Asia and the Islamic World (4)  
 AH 3020 - Chinese Art (4)  
 AH 3040 - Buddhist Art (4)  
 AH 3030 - Chinese Architecture (4)  
 AN 3250 - Peoples and Cultures of China (4)  
 HST 3810 - China's Last Dynasty: The Qing, 1644-1911 (4)

HST 3815 - China in Revolution, 1911-1949 (4)  
 HST 3830 - Women in China: Past and Present (4)  
 HST 3820 - China Since 1949 (4)  
 HST 3825 - China and Inner Asia (4)  
 IS 3971 - Seminar in East Asian Studies (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3435 - Chinese Politics and Foreign Policy (4)  
 PS 3430 - Political Systems of Asia (4)  
 Language option: Chinese - up to 8 credits of Chinese language study, at any level, may apply

#### Other coursework

Relevant independent study, directed research, or special topics coursework (e.g., IS 3000) may also count toward fulfillment of the minor requirements, subject to international studies academic adviser approval.

#### **Chinese Studies, B.A.**

Course requirements for the major in Chinese studies include:

The Chinese studies major consists of a minimum of 44 credits, of which 24 credits must be taken in Chinese studies; 12 credits in a complementary area of study; and 8 credits at the 3000-4000 level in an appropriate language. Language courses at the 1000 and 2000 level do not count toward the total number of credits for the major in either the primary or secondary area. The complementary area of study ordinarily consists of the appropriate introductory international course and two additional courses in the area, which may be either international studies courses or departmental courses. IS 4995, the capstone course, must have a subject matter relevant to Chinese studies in order to count for credit toward the major.

Duplication of course credit in the primary and complementary areas is not permitted. However, majors may apply their courses in international studies to their general education requirements.

##### 1. Core course

IS 2100 - Perspectives on China (4)

##### 2. 16 credits drawn from the following

AH 1003 - Arts of Asia and the Islamic World (4)  
 AH 3020 - Chinese Art (4)  
 AH 3040 - Buddhist Art (4)  
 AH 3030 - Chinese Architecture (4)  
 AN 3250 - Peoples and Cultures of China (4)  
 HST 3810 - China's Last Dynasty: The Qing, 1644-1911 (4)

HST 3815 - China in Revolution, 1911-1949 (4)  
 HST 3820 - China since 1949 (4)  
 HST 3825 - China and Inner Asia (4)  
 HST 3830 - Women in China: Past and Present (4)  
 IS 3971 - Seminar in East Asian Studies (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3430 - Political Systems of Asia (4)  
 PS 3435 - Chinese Politics and Foreign Policy (4)

3. 12 credits in complementary area - Japanese or South Asian studies

AH 3010 - Japanese Art (4)  
 AH 3040 - Buddhist Art (4)  
 HST 3870 - Origins of Modern Japan, 1568-1912 (4)  
 HST 3875 - Twentieth-Century Japan (4)  
 IS 2200 - Perspectives on Japan (4)  
 IS 2400 - Perspectives on India (4)  
 IS 3200 - Japan Exchange Program I (16 TO 18)  
 IS 3201 - Japan Exchange Program I (16 TO 18)  
 IS 3202 - Japan Exchange Program II (16 TO 18)  
 IS 3203 - Japan Exchange Program II (16 TO 18)  
 IS 3204 - Japan Program: Shiga I (4 TO 18)  
 IS 3205 - Japan Program: Shiga I (4 TO 18)  
 IS 3206 - Japan Program: Shiga II (4 TO 18)  
 IS 3971 - Seminar in East Asian Studies (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3430 - Political Systems of Asia (4)

4. 4 credits in IS 4995 (Directed Research), focused on the core area

5. 8 credits in Chinese language at the 3000-4000 level

Other coursework

With the approval of the International Studies Program director or faculty adviser prior to enrollment, students may also use the following courses for major credit provided that the specific course topic to be studied in an given semester is consistent with their chosen major.

AH 3900 - Special Topics in Art History (1 TO 4)  
 IS 3900 - Special Topics in International Studies (4)  
 IS 3920 - Directed Readings in International Studies (2 TO 8)

IS 4995 - Directed Research in International Studies (2 TO 8)

LIT 2905 - Studies in Foreign Film (4)

LIT 3905 - Topics in Foreign Literature (4)

#### Note

Students using this catalog to meet Chinese studies major requirements may also use any course subsequently approved as satisfying requirements #2 and #3 above and published in a later catalog. Additional program information

The International Studies Program periodically sponsors summer study tours to China including study at the China Foreign Affairs University in Beijing.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **International Studies Minor**

Requirements for the liberal arts minor in international studies

Minors in regional studies consist of a minimum of 20 credits of coursework in a single world area as listed below, distributed as follows:

- a. Introductory course in the chosen region of study
- b. Sixteen additional credits as indicated for each world area, including up to, but no more than, eight credits of language study appropriate to the chosen area, at any level

Relevant independent study, directed research or special topics course work (e.g., IS 3900) may also count toward fulfillment of the minor requirements, subject to international studies academic adviser approval.

African and African-American studies

IS 2300 - Perspectives on Africa (4)

Plus 16 credits drawn from

AH 3050 - African Art (4)  
 AH 3720 - Women in Art (4)  
 ENG 3520 - African American Literature (4)  
 HST 3280 - The Civil Rights Movement in America (4)  
 HST 3288 - Topics in African American History (4)  
 HST 3285 - History of African-American Women (4)  
 HST 3675 - Slavery and Race in Latin America (4)  
 HST 3710 - Ancient and "Medieval" African Civilizations (4)  
 HST 3715 - African Cultural History (4)  
 HST 3720 - Modern African History Since 1800 (4)  
 HST 3730 - Postcolonial Conflicts in African History (4)  
 HST 3740 - African Environmental History (4)  
 IS 3970 - Seminar in African-American Studies (4)  
 IS 3974 - Seminar in African Studies (4)  
 MUS 1007 - Exploring Jazz (4)  
 MUS 1010 - Exploring African Music (4)  
 MUS 1011 - Exploring Caribbean Music (4)  
 PS 3215 - The Politics of Race and Ethnicity (4)  
 PS 3410 - African Politics (4)  
 PS 3550 - Politics of Development (4)  
 SOC 3610 - Racial and Ethnic Relations (4) or AN 3127 - Racial and Ethnic Relations (4)  
 Language options: French, Spanish or Arabic

#### Chinese studies

IS 2100 - Perspectives on China (4)

#### Plus 16 credits drawn from

AH 1003 - Arts of Asia and the Islamic World (4)  
 AH 3020 - Chinese Art (4)  
 AH 3040 - Buddhist Art (4)  
 AH 3030 - Chinese Architecture (4)  
 AN 3250 - Peoples and Cultures of China (4)  
 HST 3810 - China's Last Dynasty: The Qing, 1644-1911 (4)  
 HST 3815 - China in Revolution, 1911-1949 (4)  
 HST 3830 - Women in China: Past and Present (4)  
 HST 3820 - China since 1949 (4)  
 HST 3825 - China and Inner Asia (4)  
 IS 3971 - Seminar in East Asian Studies (4)

LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3435 - Chinese Politics and Foreign Policy (4)  
 PS 3430 - Political Systems of Asia (4)  
 Language option: Chinese

#### Japanese studies

IS 2200 - Perspectives on Japan (4)

#### Plus 16 credits drawn from

AH 1003 - Arts of Asia and the Islamic World (4)  
 AH 3010 - Japanese Art (4)  
 AH 3040 - Buddhist Art (4)  
 HST 3870 - Origins of Modern Japan, 1568-1912 (4)  
 HST 3875 - Twentieth-Century Japan (4)  
 IS 3971 - Seminar in East Asian Studies (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3430 - Political Systems of Asia (4)  
 IS 3200 - Japan Exchange Program I (16 TO 18) and IS 3201 - Japan Exchange Program I  
 (16 to 18)  
 IS 3204 - Japan Program: Shiga I (4 TO 18) and IS 3205 - Japan Program: Shiga I  
 (4 to 18)  
 Language option: Japanese

#### Latin American studies

IS 2500 - Perspectives on Latin America (4)

#### Plus 16 credits drawn from

AH 3080 - Latin American Art (4)  
 AN 3550 - Archaeology of Mesoamerica (4)  
 AN 3350 - Peoples and Cultures of Mexico and Central America (4)  
 AN 3360 - Indians of South America (4)  
 HST 2600 - Introduction to Latin American History to 1825 (4)  
 HST 2602 - Introduction to Latin American History since 1825 (4)  
 HST 3660 - History of Argentina, Brazil, and Chile (4)  
 HST 3665 - Indigenous Movements in Latin America, 1492-Present (4)  
 HST 3670 - Latin American Revolutions (4)

HST 3675 - Slavery and Race in Latin America (4)  
 IS 3975 - Seminar in Latin American Studies (4)  
 MUS 1011 - Exploring Caribbean Music (4)  
 PS 3405 - Politics of Latin America (4)  
 Language option: Spanish or transferred course work in Portuguese  
 PS 3550 - Politics of Development (4)  
 PS 3560 - Revolution, Intervention, and Democratization (4)

#### Middle Eastern studies

IS 2700 - Perspectives on the Middle East (4)

Plus 16 credits drawn from

AH 1003 - Arts of Asia and the Islamic World (4)  
 AH 3110 - Art of the Ancient Near East (4)  
 AH 3240 - Islamic Art (4)  
 HST 3510 - The Modern Middle East (4)  
 HST 3540 - The Arab-Israeli Conflict (4)  
 HST 3520 - The Cold War in the Middle East (4)  
 HST 3550 - Modern Iran and Iraq (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PS 3415 - Politics of the Middle East and North Africa (4)  
 REL 1150 - Introduction to Islam (4)  
 REL 1200 - Introduction to Judaism (4)  
 REL 3130 - Islam in the Modern World (4)  
 Language option: Arabic or Hebrew or transferred course work in another Middle Eastern language

#### Russian and East European Studies

IS 2600 - Perspectives on Russia and Eastern Europe (4)

Plus 16 credits drawn from

AH 3610 - Russian Art (4)  
 HST 3490 - History of Modern Russia (4)  
 HST 3495 - Eastern European History (4)  
 IS 3973 - Seminar in Russian and Eastern European Studies (4)  
 PS 3425 - The Russian Political System (4)  
 Language option: transferred coursework in Russian or any East European language

#### South Asian studies

IS 2400 - Perspectives on India (4)

Plus 16 credits drawn from

AH 3040 - Buddhist Art (4)

AH 3240 - Islamic Art (4)

AN 3255 - Peoples and Cultures of India (4)

IS 3972 - Seminar in South Asian Studies (4)

LIT 1000 - Introduction to Asian Literature (4)

PHL 3155 - Philosophies and Religions of Asia (4)

REL 1150 - Introduction to Islam (4)

REL 3130 - Islam in the Modern World (4)

PS 3430 - Political Systems of Asia (4)

Language option: transferred coursework in any South Asian language

### **International Studies, B.A.**

Requirements for the liberal arts majors in Chinese studies, Japanese studies, and Latin American studies

The international studies majors consist of a minimum of 44 credits, of which 24 credits must be taken in the primary area (Chinese studies, Japanese studies, Latin American studies); 12 credits in a complementary area of study; and 8 credits at the 3000-4000 level in an appropriate language. Language courses at the 1000 and 2000 level do not count toward the total number of credits for the major in either the primary or secondary area. The complementary area of study ordinarily consists of the appropriate introductory international studies course and two additional courses in the area, which may be either international studies courses or departmental courses. IS 4995, the capstone course, must have a subject matter relevant to the proper area to count for credit toward the major.

Duplication of course credit in the primary and complementary areas is not permitted. However, majors may apply their courses in international studies to their General Education Requirements.

Chinese Studies, B.A. program

Course requirements for the major in Chinese studies include:

1. Core course

IS 2100 - Perspectives on China (4)

2. 16 credits drawn from the following

AH 1003 - Arts of Asia and the Islamic World (4)

AH 3020 - Chinese Art (4)



AH 3040 - Buddhist Art (4)  
 AH 3030 - Chinese Architecture (4)  
 AN 3250 - Peoples and Cultures of China (4)  
 HST 3810 - China's Last Dynasty: The Qing, 1644-1911 (4)  
 HST 3815 - China in Revolution, 1911-1949 (4)  
 HST 3830 - Women in China: Past and Present (4)  
 HST 3820 - China since 1949 (4)  
 HST 3825 - China and Inner Asia (4)  
 IS 3971 - Seminar in East Asian Studies (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3435 - Chinese Politics and Foreign Policy (4)  
 PS 3430 - Political Systems of Asia (4)

### 3. 12 credits in complementary area - Japanese or South Asian studies

IS 2200 - Perspectives on Japan (4)  
 IS 2400 - Perspectives on India (4)  
 AH 3010 - Japanese Art (4)  
 AH 3040 - Buddhist Art (4)  
 HST 3870 - Origins of Modern Japan, 1568-1912 (4)  
 HST 3875 - Twentieth-Century Japan (4)  
 IS 3971 - Seminar in East Asian Studies (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3430 - Political Systems of Asia (4)  
 IS 3200 - Japan Exchange Program I (16 TO 18)  
 IS 3201 - Japan Exchange Program I (16 TO 18)  
 IS 3202 - Japan Exchange Program II (16 TO 18)  
 IS 3203 - Japan Exchange Program II (16 TO 18)  
 IS 3204 - Japan Program: Shiga I (4 TO 18)  
 IS 3205 - Japan Program: Shiga I (4 TO 18)  
 IS 3206 - Japan Program: Shiga II (4 TO 18)

4. 4 credits in IS 4995 (Directed Research), focused on the core area

5. 8 credits in Chinese language at the 3000-4000 level

Note

Students using this catalog to meet Chinese studies major requirements may also use any course subsequently approved as satisfying requirements #2 and #3 above and published in a later catalog.  
 Additional information

The International Studies Program periodically sponsors summer study tours to China including study at the China Foreign Affairs University in Beijing.

Japanese studies, B.A. program

Course requirements for the major in Japanese studies include:

1. Core course

IS 2200 - Perspectives on Japan (4)

2. 16 credits drawn from the following courses

AH 1003 - Arts of Asia and the Islamic World (4)

AH 3010 - Japanese Art (4)

AH 3040 - Buddhist Art (4)

HST 3870 - Origins of Modern Japan, 1568-1912 (4)

HST 3875 - Twentieth-Century Japan (4)

IS 3971 - Seminar in East Asian Studies (4)

LIT 1000 - Introduction to Asian Literature (4)

PHL 3155 - Philosophies and Religions of Asia (4)

PS 3430 - Political Systems of Asia (4)

IS 3200 - Japan Exchange Program I (16 TO 18)

IS 3201 - Japan Exchange Program I (16 TO 18)

IS 3202 - Japan Exchange Program II (16 TO 18)

IS 3203 - Japan Exchange Program II (16 TO 18)

IS 3204 - Japan Program: Shiga I (4 TO 18)

IS 3205 - Japan Program: Shiga I (4 TO 18)

IS 3206 - Japan Program: Shiga II (4 TO 18)

3. 12 credits in complementary area - Chinese or South Asian studies

IS 2100 - Perspectives on China (4)

IS 2400 - Perspectives on India (4)

AH 3020 - Chinese Art (4)

AH 3040 - Buddhist Art (4)

AH 3030 - Chinese Architecture (4)

AN 3250 - Peoples and Cultures of China (4)

HST 3810 - China's Last Dynasty: The Qing, 1644-1911 (4)

HST 3815 - China in Revolution, 1911-1949 (4)

HST 3830 - Women in China: Past and Present (4)

HST 3820 - China since 1949 (4)

HST 3825 - China and Inner Asia (4)

IS 3971 - Seminar in East Asian Studies (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3435 - Chinese Politics and Foreign Policy (4)  
 PS 3430 - Political Systems of Asia (4)

4. 4 credits in IS 4995 (Directed Research), focused on the core area

5. 8 credits in Japanese language at the 3000-4000 level

Note

Students using this catalog to meet Japanese studies major requirements may also use any course subsequently approved as satisfying requirements #2 and #3 above and published in a later catalog.  
 Additional information

Students wishing to study in Japan may do so through an exchange program between Oakland University and Nanzan University, Nagoya, Japan, and the Japan Center for Michigan Universities, Hikone, Shiga, Japan. See Study Abroad Opportunities.

Latin American studies, B.A. program

Coordinator: Cecilia Saenz-Roby (Modern Languages and Literatures)

Course requirements for the major in Latin American studies include

1. Core course

IS 2500 - Perspectives on Latin America (4)

2. 16 credits drawn from the following courses

AH 3080 - Latin American Art (4)

AN 3550 - Archaeology of Mesoamerica (4)

AN 3350 - Peoples and Cultures of Mexico and Central America (4)

AN 3360 - Indians of South America (4)

HST 2600 - Introduction to Latin American History to 1825 (4)

HST 2602 - Introduction to Latin American History since 1825 (4)

HST 3660 - History of Argentina, Brazil, and Chile (4)

HST 3675 - Slavery and Race in Latin America (4)

IS 3975 - Seminar in Latin American Studies (4)

PS 3405 - Politics of Latin America (4)

HST 3665 - Indigenous Movements in Latin America, 1492-Present (4)

HST 3670 - Latin American Revolutions (4)

MUS 1011 - Exploring Caribbean Music (4)

- PS 3550 - Politics of Development (4)
- PS 3560 - Revolution, Intervention, and Democratization (4)

3. 12 credits in complementary area - African-American studies

- IS 2300 - Perspectives on Africa (4)
- AH 3050 - African Art (4)
- AH 3720 - Women in Art (4)
- ENG 3520 - African American Literature (4)
- HST 3280 - The Civil Rights Movement in America (4)
- HST 3288 - Topics in African American History (4)
- HST 3285 - History of African-American Women (4)
- HST 3675 - Slavery and Race in Latin America (4)
- HST 3710 - Ancient and "Medieval" African Civilizations (4)
- HST 3720 - Modern African History Since 1800 (4)
- HST 3715 - African Cultural History (4)
- IS 3970 - Seminar in African-American Studies (4)
- IS 3974 - Seminar in African Studies (4)
- MUS 1007 - Exploring Jazz (4)
- MUS 1010 - Exploring African Music (4)
- MUS 1011 - Exploring Caribbean Music (4)
- PS 3215 - The Politics of Race and Ethnicity (4)
- PS 3410 - African Politics (4)
- SOC 3610 - Racial and Ethnic Relations (4) or AN 3127 - Racial and Ethnic Relations (4)

4. 4 credits in IS 4995 (Directed Research), focused on the core area

5. 8 credits in Spanish language at the 3000-4000 level

Note

Students using this catalog to meet Latin American studies major requirements may also use any course subsequently approved as satisfying requirements #2 and #3 above and published in a later catalog. Other coursework for the liberal arts majors in international studies, B.A. programs

Provided that the specific course topic to be studied in any given semester is consistent with their chosen major, students may use the following courses for major credit if approved by the International Studies Program director or faculty adviser prior to enrollment.

- IS 3900 - Special Topics in International Studies (4)
- IS 3920 - Directed Readings in International Studies (2 TO 8)
- IS 4995 - Directed Research in International Studies (2 TO 8)
- LIT 2905 - Studies in Foreign Film (4)

LIT 3905 - Topics in Foreign Literature (4)  
 AH 3900 - Special Topics in Art History (1 TO 4)

### **Japanese Studies Minor**

Requirements for the liberal arts minor in Japanese studies

A minimum of 20 credits of coursework consisting of:

Introductory course in the chosen region of study

Sixteen additional credits as indicated for each world area, including up to, but no more than, eight credits of language study appropriate to the chosen area, at any level

#### 1. Introductory Course

IS 2200 Perspectives on Japan (4)

#### 2. Plus 16 credits drawn from

AH 1003 - Arts of Asia and the Islamic World (4)

AH 3010 - Japanese Art (4)

AH 3040 - Buddhist Art (4)

HST 3870 - Origins of Modern Japan, 1568-1912 (4)

HST 3875 - Twentieth-Century Japan (4)

IS 3971 - Seminar in East Asian Studies (4)

LIT 1000 - Introduction to Asian Literature (4)

PHL 3155 - Philosophies and Religions of Asia (4)

PS 3430 - Political Systems of Asia (4)

IS 3200 - Japan Exchange Program I (16 TO 18) and IS 3201 - Japan Exchange Program I (16 to 18)

IS 3204 - Japan Program: Shiga I (4 TO 18) and IS 3205 - Japan Program: Shiga I (4 to 18)

Language option: Japanese

#### Other coursework

Relevant independent study, directed research, or special topics coursework (e.g., IS 3900 ) may also count toward fulfillment of the minor requirements, subject to international studies academic adviser approval.

### **Japanese Studies, B.A.**

Course requirements for the major in Japanese studies include:

The Japanese studies major consists of a minimum of 44 credits, of which 24 credits must be taken in Japanese studies; 12 credits in a complementary area of study; and 8 credits at the 3000-4000 level in an

appropriate language. Language courses at the 1000 and 2000 level do not count toward the total number of credits for the major in either the primary or secondary area. The complementary area of study ordinarily consists of the appropriate introductory international course and two additional courses in the area, which may be either international studies courses or departmental courses. IS 4995, the capstone course, must have a subject matter relevant to Japanese studies in order to count for credit toward the major. Duplication of course credit in the primary and complementary areas is not permitted. However, majors may apply their courses in international studies to their general education requirements.

1. Core course

IS 2200 - Perspectives on Japan (4)

2. 16 credits drawn from the following courses

AH 1003 - Arts of Asia and the Islamic World (4)

AH 3010 - Japanese Art (4)

AH 3040 - Buddhist Art (4)

HST 3870 - Origins of Modern Japan, 1568-1912 (4)

HST 3875 - Twentieth-Century Japan (4)

IS 3971 - Seminar in East Asian Studies (4)

LIT 1000 - Introduction to Asian Literature (4)

PHL 3155 - Philosophies and Religions of Asia (4)

PS 3430 - Political Systems of Asia (4)

IS 3200 - Japan Exchange Program I (16 TO 18)

IS 3201 - Japan Exchange Program I (16 TO 18)

IS 3202 - Japan Exchange Program II (16 TO 18)

IS 3203 - Japan Exchange Program II (16 TO 18)

IS 3204 - Japan Program: Shiga I (4 TO 18)

IS 3205 - Japan Program: Shiga I (4 TO 18)

IS 3206 - Japan Program: Shiga II (4 TO 18)

3. 12 credits in complementary area - Chinese or South Asian studies

IS 2100 - Perspectives on China (4)

IS 2400 - Perspectives on India (4)

AH 3020 - Chinese Art (4)

AH 3040 - Buddhist Art (4)

AH 3030 - Chinese Architecture (4)

AN 3250 - Peoples and Cultures of China (4)

HST 3810 - China's Last Dynasty: The Qing, 1644-1911 (4)

HST 3815 - China in Revolution, 1911-1949 (4)

HST 3830 - Women in China: Past and Present (4)

HST 3820 - China since 1949 (4)  
 HST 3825 - China and Inner Asia (4)  
 IS 3971 - Seminar in East Asian Studies (4)  
 LIT 1000 - Introduction to Asian Literature (4)  
 PHL 3155 - Philosophies and Religions of Asia (4)  
 PS 3435 - Chinese Politics and Foreign Policy (4)  
 PS 3430 - Political Systems of Asia (4)

4. 4 credits in IS 4995 (Directed Research), focused on the core area

5. 8 credits in Japanese language at the 3000-4000 level

Other coursework

With the approval of the International Studies Program director or faculty adviser prior to enrollment, students may also use the following courses for major credit provided that the specific course topic to be studied in an given semester is consistent with their chosen major.

IS 3900 - Special Topics in International Studies (4)  
 IS 3920 - Directed Readings in International Studies (2 TO 8)  
 IS 4995 - Directed Research in International Studies (2 TO 8)  
 LIT 2905 - Studies in Foreign Film (4)  
 LIT 3905 - Topics in Foreign Literature (4)  
 AH 3900 - Special Topics in Art History (1 TO 4)

#### Note

Students using this catalog to meet Japanese studies major requirements may also use any course subsequently approved as satisfying requirements #2 and #3 above and published in a later catalog.  
 Additional program information

Students wishing to study in Japan may do so through an exchange program between Oakland University and Nanzan University, Nagoya, Japan, and the Japan Center for Michigan Universities, Hikone, Shiga, Japan. See International Studies Program and Study Abroad.

Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts & Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Latin American Studies Minor**

Requirements for the liberal arts minor in Latin American studies

A minimum of 20 credits of coursework consisting of:

Introductory course in the chosen region of study

Sixteen additional credits as indicated for each world area, including up to, but no more than, eight credits of language study appropriate to the chosen area, at any level

#### 1. Introductory Course

IS 2500 Perspectives on Latin America (4)

#### 2. Plus 16 credits drawn from

AN 3550 - Archaeology of Mesoamerica (4)

AN 3350 - Peoples and Cultures of Mexico and Central America (4)

AN 3360 - Indians of South America (4)

HST 2600 - Introduction to Latin American History to 1825 (4)

HST 2602 - Introduction to Latin American History since 1825 (4)

HST 3660 - History of Argentina, Brazil, and Chile (4)

HST 3675 - Slavery and Race in Latin America (4)

IS 3975 - Seminar in Latin American Studies (4)

PS 3405 - Politics of Latin America (4)

Language option: Spanish or transferred course work in Portuguese

Other coursework

Relevant independent study, directed research, or special topics coursework (e.g., IS 3000) may also count toward fulfillment of the minor requirements, subject to international studies academic adviser approval.

### **Latin American Studies, B.A.**

Coordinator: Cecilia Saenz-Roby (Modern Languages and Literatures)

Course requirements for the major in Latin American studies include

The Latin American studies major consists of a minimum of 44 credits, of which 24 credits must be taken in Latin American studies; 12 credits in a complementary area of study; and 8 credits at the 3000-4000 level in an appropriate language. Language courses at the 1000 and 2000 level do not count toward the total number of credits for the major in either the primary or secondary area. The



complementary area of study ordinarily consists of the appropriate introductory international course and two additional courses in the area, which may be either international studies courses or departmental courses. IS 4995, the capstone course, must have a subject matter relevant to Latin American studies in order to count for credit toward the major.

Duplication of course credit in the primary and complementary areas is not permitted. However, majors may apply their courses in international studies to their general education requirements.

1. Core course

IS 2500 - Perspectives on Latin America (4)

2. 16 credits drawn from the following courses

AH 3080 - Latin American Art (4)

AN 3550 - Archaeology of Mesoamerica (4)

AN 3350 - Peoples and Cultures of Mexico and Central America (4)

AN 3360 - Indians of South America (4)

HST 2600 - Introduction to Latin American History to 1825 (4)

HST 2602 - Introduction to Latin American History since 1825 (4)

HST 3660 - History of Argentina, Brazil, and Chile (4)

HST 3665 - Indigenous Movements in Latin America, 1492-Present (4)

HST 3670 - Latin American Revolutions (4)

HST 3675 - Slavery and Race in Latin America (4)

IS 3975 - Seminar in Latin American Studies (4)

MUS 1011 - Exploring Caribbean Music (4)

PS 3405 - Politics of Latin America (4)

PS 3550 - Politics of Development (4)

PS 3560 - Revolution, Intervention, and Democratization (4)

3. 12 credits in complementary area - African and African-American studies

IS 2300 - Perspectives on Africa (4)

AH 3050 - African Art (4)

AH 3720 - Women in Art (4)

ENG 3520 - African American Literature (4)

HST 3280 - The Civil Rights Movement in America (4)

HST 3288 - Topics in African American History (4)

HST 3285 - History of African-American Women (4)

HST 3675 - Slavery and Race in Latin America (4)

HST 3710 - Ancient and "Medieval" African Civilizations (4)

HST 3715 - African Cultural History (4)

HST 3720 - Modern African History Since 1800 (4)

HST 3730 - Postcolonial Conflicts in African History (4)

HST 3740 - African Environmental History (4)  
 IS 3970 - Seminar in African-American Studies (4)  
 IS 3974 - Seminar in African Studies (4)  
 MUS 1007 - Exploring Jazz (4)  
 MUS 1010 - Exploring African Music (4)  
 PS 3215 - The Politics of Race and Ethnicity (4)  
 PS 3410 - African Politics (4)  
 SOC 3610 - Racial and Ethnic Relations (4) or AN 3127 - Racial and Ethnic Relations (4)

4. 4 credits in IS 4995 (Directed Research), focused on the core area

5. 8 credits in Spanish language at the 3000-4000 level

Other coursework

With the approval of the International Studies Program director or faculty adviser prior to enrollment, students may also use the following courses for major credit provided that the specific course topic to be studied in an given semester is consistent with their chosen major.

IS 3900 - Special Topics in International Studies (4)  
 IS 3920 - Directed Readings in International Studies (2 TO 8)  
 IS 4995 - Directed Research in International Studies (2 TO 8)  
 LIT 2905 - Studies in Foreign Film (4)  
 LIT 3905 - Topics in Foreign Literature (4)  
 AH 3900 - Special Topics in Art History (1 TO 4)  
 PS 3940 - Special Topics in Comparative Politics and International Relations (1 TO 4)

#### Note

Students using this catalog to meet Latin American studies major requirements may also use any course subsequently approved as satisfying requirements #2 and #3 above and published in a later catalog.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts & Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Middle Eastern Studies Minor**

Requirements for the liberal arts minor in Middle Eastern studies

A minimum of 20 credits of coursework consisting of:

Introductory course in the chosen region of study

Sixteen additional credits as indicated for each world area, including up to, but no more than, eight credits of language study appropriate to the chosen area, at any level

1. Introductory course

IS 2700 Perspectives on the Middle East (4)

2. Plus 16 credits drawn from

AH 1003 - Arts of Asia and the Islamic World (4)

AH 3110 - Art of the Ancient Near East (4)

AH 3240 - Islamic Art (4)

HST 3510 - The Modern Middle East (4)

HST 3540 - The Arab-Israeli Conflict (4)

HST 3520 - The Cold War in the Middle East (4)

HST 3550 - Modern Iran and Iraq (4)

LIT 1000 - Introduction to Asian Literature (4)

PS 3415 - Politics of the Middle East and North Africa (4)

REL 1150 - Introduction to Islam (4)

REL 1200 - Introduction to Judaism (4)

Language option: Arabic or Hebrew or transferred course work in another Middle Eastern language

Other coursework

Relevant independent study, directed research, or special topics coursework (e.g., IS 3900 ) may also count toward fulfillment of the minor requirements, subject to international studies academic adviser approval.

**Russian and East European Studies**

Requirements for the liberal arts minor in Russian and East European Studies

A minimum of 20 credits of coursework consisting of:

Introductory course in the chosen region of study

Sixteen additional credits as indicated for each world area, including up to, but no more than, eight credits of language study appropriate to the chosen area, at any level

1. Introductory Course

IS 2600 Perspectives on Russia and Eastern Europe (4)

2. Plus 16 credits drawn from

AH 3610 - Russian Art (4)

HST 3490 - History of Modern Russia (4)

HST 3495 - Eastern European History (4)

IS 3973 - Seminar in Russian and Eastern European Studies (4)

PS 3425 - The Russian Political System (4)

Language option: transferred coursework in Russian or any East European language

Other coursework

Relevant independent study, directed research, or special topics coursework (e.g., IS 3900) may also count toward fulfillment of the minor requirements, subject to international studies academic adviser approval.

**South Asian Studies Minor**

Requirements for the liberal arts minor in South Asian studies

A minimum of 20 credits of coursework consisting of:

Introductory course in the chosen region of study

Sixteen additional credits as indicated for each world area, including up to, but no more than, eight credits of language study appropriate to the chosen area, at any level

1. Introductory course

IS 2400 Perspectives on India (4)

2. Plus 16 credits drawn from

AH 3040 - Buddhist Art (4)

AH 3240 - Islamic Art (4)

AN 3255 - Peoples and Cultures of India (4)

IS 3972 - Seminar in South Asian Studies (4)

LIT 1000 - Introduction to Asian Literature (4)

PHL 3155 - Philosophies and Religions of Asia (4)

REL 1150 - Introduction to Islam (4)

PS 3430 - Political Systems of Asia (4)

Language option: transferred coursework in any South Asian language

## Other coursework

Relevant independent study, directed research, or special topics coursework (e.g., IS 3900) may also count toward fulfillment of the minor requirements, subject to international studies academic adviser approval.

## Courses

The following courses offered under the geography rubric are available only to students fulfilling requirements for the elementary education teaching minor in social studies. Students in other programs may register for these courses under the home department rubric as indicated below.

### GEO 1060 - Earth Science/Physical Geography (4)

Identical with PHY 1060. Satisfies the university general education requirement in the natural science and technology knowledge exploration area.

### GEO 2000 - Global Human Systems (4)

Identical with AN 2130 and IS 2000. Satisfies the university general education requirement in the global perspective knowledge exploration area.

### GEO 3000 - World Regional Geography (4)

Identical with AN 3240 and IS 3000.

Prerequisite(s): AN 2130 or IS 2000 or GEO 2000

### IS 2000 - Global Human Systems (4)

Introductory survey of world-wide distribution, variation, and interconnections of economic, cultural, and political systems and their underlying geographic elements. Basic concepts in human geography and other social sciences, as relevant, are introduced as are techniques and tools used in carrying out and expressing geographic analysis. Identical with AN 2130 and GEO 2000. Satisfies the university general education requirement in the global perspective knowledge exploration area.

### IS 2005 - Issues in Global Health (4)

Contemporary issues in global health: communicable and non-communicable diseases, organizations dedicated to improving health care on an international level, innovative solutions to global health issues including the use of technology, ethical dilemmas, and economic and political perspectives. Satisfies the university general education requirement in the global perspective knowledge exploration area.

### IS 2060 - Global Cities (4)

Examination of rapid urbanization and socio-spatial inequalities that exist in cities in an interconnected world. Study of globalization, urban structure and spatial organization, and diverse cultural, economic,

political and natural forces that transform urbanized places into a hierarchy of cities. Satisfies the university general education requirement in the global perspective knowledge exploration area.

IS 2100 - Perspectives on China (4)

Interdisciplinary study of the peoples of China and their traditional and modern civilizations. Satisfies the university general education requirement in the global perspective knowledge exploration area.

IS 2200 - Perspectives on Japan (4)

Interdisciplinary study of the peoples of Japan and their traditional and modern civilizations. Satisfies the university general education requirement in the global perspective knowledge exploration area.

IS 2300 - Perspectives on Africa (4)

Interdisciplinary study of the peoples of Africa and their traditional and modern civilizations. Satisfies the university general education requirement in global perspective knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

IS 2400 - Perspectives on India (4)

Interdisciplinary study of the peoples of India and their traditional and modern civilizations. Satisfies the university general education requirement in the global perspective knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

IS 2500 - Perspectives on Latin America (4)

Interdisciplinary study of the peoples of Latin America and their traditional and modern civilizations. Satisfies the university general education requirement in the global perspective knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

IS 2600 - Perspectives on Russia and Eastern Europe (4)

Interdisciplinary study of the peoples of Russia and Eastern Europe and their traditional and modern civilizations. Satisfies the university general education requirement in the global perspective knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

IS 2700 - Perspectives on the Middle East (4)

Interdisciplinary study of the peoples of the Middle East and their traditional and modern civilizations. Satisfies the university general education requirement in the global perspective knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general

education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

IS 3000 - World Regional Geography (4)

Identical with AN 3240 and GEO 3000.

Prerequisite(s): AN 2130 or IS 2000 or GEO 2000

IS 3001 - The Global Citizen (4)

Identification of contemporary problems that challenge the global community. Through a problem-based learning approach, students will analyze and propose measures to help solve these problems. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications: completion of the general education requirement in the global perspective knowledge exploration area. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement.

IS 3002 - Globalization and the International System (4)

Exploration of how globalization is shaping the contemporary world. Examination of economic, political, social, and cultural aspects of globalization. Consideration of the costs and benefits of globalization. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications: completion of the general education requirement in the global perspective knowledge exploration area.

IS 3200 - Japan Exchange Program I (16 TO 18)

Course work is taken at Nanzan University in Nagoya, Japan, and includes Japanese language study and additional appropriate courses with English as the language of instruction.

IS 3201 - Japan Exchange Program I (16 TO 18)

Course work is taken at Nanzan University in Nagoya, Japan, and includes Japanese language study and additional appropriate courses with English as the language of instruction.

IS 3202 - Japan Exchange Program II (16 TO 18)

Course work is taken at Nanzan University in Nagoya, Japan, and includes Japanese language study and additional appropriate courses with English as the language of instruction. Second year.

IS 3203 - Japan Exchange Program II (16 TO 18)

Course work is taken at Nanzan University in Nagoya, Japan, and includes Japanese language study and additional appropriate courses with English as the language of instruction. Second year.

IS 3204 - Japan Program: Shiga I (4 TO 18)

Course work is taken at the Japan Center for Michigan Universities, Shiga, Japan, and includes Japanese language study and additional appropriate courses with English as the language of instruction.

IS 3205 - Japan Program: Shiga I (4 TO 18)

Course work is taken at the Japan Center for Michigan Universities, Shiga, Japan, and includes Japanese language study and additional appropriate courses with English as the language of instruction.

IS 3206 - Japan Program: Shiga II (4 TO 18)

Course work is taken at the Japan Center for Michigan Universities, Shiga, Japan, and includes Japanese language study and additional appropriate courses with English as the language of instruction. Second year.

IS 3800 - France Exchange Program: Language I (4)

Course is taught at the University of Orleans in France and includes the study of French grammar. French is the language of instruction. Fall semester.

Prerequisite(s): permission of program coordinator.

IS 3801 - France Exchange Program: Literature I (4)

Course is taught at the University of Orleans in France and includes the study of French literature.

French is the language of instruction. Fall semester.

Prerequisite(s): permission of program coordinator.

IS 3802 - France Exchange Program: Conversation, Comprehension, Writing I (4)

Course is taught at the University of Orleans in France and includes French conversation, comprehension and writing. French is the language of instruction. Fall semester.

Prerequisite(s): permission of program coordinator.

IS 3803 - France Exchange Program: Civilization I (4)

Course is taught at the University of Orleans in France and includes French history, geography and contemporary civilization. French is the language of instruction. Fall semester.

Prerequisite(s): permission of program coordinator.

IS 3804 - France Exchange Program: Language II (4)

Course is taught at the University of Orleans in France and includes the study of French grammar. French is the language of instruction. Winter semester.

Prerequisite(s): permission of program coordinator.

IS 3805 - France Exchange Program: Literature II (4)

Course is taught at the University of Orleans in France and includes the study of French literature.

French is the language of instruction. Winter semester.

Prerequisite(s): permission of program coordinator.

IS 3806 - France Exchange Program: Conversation, Comprehension, Writing II (4)



Course is taught at the University of Orleans in France and includes the study of French conversation, comprehension and writing. French is the language of instruction. Winter semester.

Prerequisite(s): permission of program coordinator.

IS 3807 - France Exchange Program: Civilization II (4)

Course is taught at the University of Orleans in France and includes the study of French history, geography and contemporary civilization. French is the language of instruction. Winter semester.

Prerequisite(s): permission of program coordinator.

IS 3900 - Special Topics in International Studies (4)

Interdisciplinary study of a foreign area for which no regular course offerings exist. May be repeated for additional credit under different subtitle.

IS 3920 - Directed Readings in International Studies (2 TO 8)

Readings from diverse disciplines with focus on a student's area of specialization. Conducted as a tutorial by an instructor chosen by the student. May be taken for no more than 8 credits.

Prerequisite(s): appropriate IS introductory course and permission of program chairperson and instructor.

IS 3970 - Seminar in African-American Studies (4)

Selected topics dealing with a specified area, to supplement departmental area courses. Students enroll under the number corresponding to a specific area. May be repeated once for a total of 8 credits.

Prerequisite(s): senior standing and permission of instructor.

IS 3971 - Seminar in East Asian Studies (4)

Selected topics dealing with a specified area, to supplement departmental area courses. Students enroll under the number corresponding to a specific area. May be repeated once for a total of 8 credits.

Prerequisite(s): senior standing and permission of instructor.

IS 3972 - Seminar in South Asian Studies (4)

Selected topics dealing with a specified area, to supplement departmental area courses. Students enroll under the number corresponding to a specific area. May be repeated once for a total of 8 credits.

Prerequisite(s): senior standing and permission of instructor.

IS 3973 - Seminar in Russian and Eastern European Studies (4)

Selected topics dealing with a specified area, to supplement departmental area courses. Students enroll under the number corresponding to a specific area. May be repeated once for a total of 8 credits.

Prerequisite(s): senior standing and permission of instructor.

IS 3974 - Seminar in African Studies (4)

Selected topics dealing with a specified area, to supplement departmental area courses. Students enroll under the number corresponding to a specific area. May be repeated once for a total of 8 credits.

Prerequisite(s): senior standing and permission of instructor.

#### IS 3975 - Seminar in Latin American Studies (4)

Selected topics dealing with a specified area, to supplement departmental area courses. Students enroll under the number corresponding to a specific area. May be repeated once for a total of 8 credits.

Prerequisite(s): senior standing and permission of instructor.

#### IS 4995 - Directed Research in International Studies (2 TO 8)

Research relating to area of specialization including a senior essay or research paper. Supervised by an international studies instructor. May be taken for no more than a total of 8 credits. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): senior standing and permission of program chairperson and instructor.

## Liberal Studies Program

Kresge Library, Room 430J

100 Library Drive

Rochester, MI 48309-4479

(248) 370-2949

Fax: (248) 370-3628

(248) 370-4680

Director: Cynthia Sifonis

Liberal Studies Executive Committee: Ken Elder (Physics), Henri Gooren (Sociology and Anthropology), Eric LaRock (Philosophy), Daniel Lorca (Modern Languages and Literatures)

Chief Adviser: Cynthia Sifonis (Psychology)

Based in the College of Arts and Sciences, the liberal studies major program is an innovative and rigorous interdisciplinary approach to undergraduate education. The objectives of this program are in harmony with the goals of a liberal education: that is, to cultivate the individual's ability to integrate diverse fields of human knowledge and activity. The outcomes of this program include enhanced abilities in critical and analytical thinking and writing in addition to development of creative and collaborative abilities.

Program honors

Program honors may be granted to graduating seniors in liberal studies on the basis of high academic achievement (minimum 3.60 overall grade point average) and excellence in the senior thesis (LBS 4998 /LBS 4999). The Liberal Studies Executive Committee will determine program honors recipients.

## Program

### Liberal Studies, B.A.

Requirements for the liberal arts major in liberal studies, B.A. program

The degree requirements include an 8-credit foundation, a core that is a minimum of 28 credits, a relevant methods course, and an 8-credit capstone experience.

#### 1. Foundation courses (to be completed prior to junior standing)

LBS 1000 - Exploration of the Arts and Sciences (4) (minimum grade of C+ required)

LBS 2000 - Interdisciplinary Approaches to Liberal Studies (4) (minimum grade of C+ required)

#### 2. Program core: choose option a or b

##### a. An interdisciplinary College of Arts and Sciences concentration

Concentration must require at least 28 credit hours, of which 20 credits must be at the 3000 level or above. All courses must be completed with a minimum grade of C.

##### b. A combination of minors from two intellectually distinct areas

Together the minors must have at least 20 credits at the 3000 level or above; each minor must include at least 8 credit hours at the 3000-level. Both minors must be in the College of Arts and Sciences unless an exception request is approved. All courses must be completed with a minimum grade of C.

#### 3. A discipline-specific methods course relevant to the program core

This course must be approved by the program adviser. A minimum grade of C is required.

#### 4. Capstone courses

LBS 4998 - Senior Thesis I (4) (minimum grade of B required)

LBS 4999 - Senior Thesis II (4) (minimum grade of B required)

### Additional program information

The Liberal Studies Executive Committee maintains a current list of concentrations and minors that meet the above requirements. Examples of approved minor combinations include philosophy and psychology and biology and music. Examples of approved concentrations include American studies, environmental studies and religious studies. See the program website ([oakland.edu/bals](http://oakland.edu/bals)) for additional information.

### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Courses**

#### **LBS 1000 - Exploration of the Arts and Sciences (4)**

Broad survey of the three major discipline areas: humanities, social sciences, and natural sciences. General methods of inquiry will be stressed. Course will be unified by focus on interdisciplinary theme. Satisfies the university general education requirement in the western civilization knowledge exploration area.

#### **LBS 2000 - Interdisciplinary Approaches to Liberal Studies (4)**

Basic preparation for interdisciplinary study. Students develop knowledge, skills and methods in interdisciplinary research on focused topics. Draws on humanities, natural sciences, social sciences and fine arts to prepare students for advanced work in liberal studies. Satisfies the university general education requirement for a writing intensive course in general education or the major, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement. Prerequisite(s): LBS 1000 with a grade of (C+) or higher.

#### **LBS 4998 - Senior Thesis I (4)**

Participatory, interdisciplinary seminar in which students develop topics, establish research parameters, and prepare a thesis proposal. First in a two course sequence. Prerequisite(s): LBS 2000, senior standing and permission of instructor.

#### **LBS 4999 - Senior Thesis II (4)**

Continuation of LBS 4998. Students complete the research and writing of their liberal studies thesis papers and presentations, which synthesize their preceding liberal studies work. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in general education. Prerequisite for writing intensive: completion of the university writing foundation requirement. Prerequisite(s): LBS 4998 and permission of instructor.

## **Department of Linguistics**

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(248) 370-2175  
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Chairperson: Michael B. Smith

Professors emeriti: Carlo Coppola (Hindi-Urdu), Daniel H. Fullmer, William Schwab

Professor: Michael B. Smith

Associate professors: Lisa Levinson, Kuniko Nielsen, Samuel Rosenthal

Special instructor: Rebecca Gaydos

Chief adviser: Samuel Rosenthal

It is hard to imagine spending one waking moment without language. Whether we are alone or among other people, whether we dream or daydream, whether we write poetry, follow a recipe, cheer for the home team, speak or sing, language is involved. All normal children acquire a native language, no matter where they are born, what the language is or what their home life is like. People who are deaf have language; so do those who are blind, mute, completely paralyzed, intellectually disabled or emotionally disturbed. Language can be disrupted by injury or disease, processed by machines, altered for special occasions and exploited for ulterior motives. Despite this extraordinary presence, versatility and variability, every human language, whether Old English or Modern Japanese, shares universal features. Linguistics is the discipline that studies such matters concerning language.

Because language is so pervasive and so peculiarly human, students of linguistics find careers in many different areas. Some, such as teachers, computer scientists and speech therapists, use linguistics directly; others, such as market analysts, editors and advertising executives, use it indirectly. Still others use their undergraduate major in linguistics as a springboard to careers in law, education, business, artificial intelligence and international relations, as well as graduate study in linguistics and other fields.

Departmental Honors

The Department of Linguistics offers departmental honors to students who achieve a grade point average of 3.60 or above in courses required for the major in both the liberal arts major and the modified major with a minor in computer science. The department also recommends honors for students who have modified majors in other departments with concentrations in linguistics.

Certificate in Teaching English as a Second Language

Students may earn a certificate in teaching English as a second language (TESL) by completing the following courses: LIN 2201, ALS 4418 and ALS 4960. In all cases a student must complete 12 credits in linguistics courses at OU and must satisfy the eligibility requirement described in Practicum Eligibility to obtain the certificate. Students interested in this certificate should contact an adviser in the Department of Linguistics.

#### Practicum Eligibility

Eligibility for the Practicum (ALS 4960) requires completion of ALS 4418 with a grade of B (3.0) or higher.

#### Programs

- Linguistics Minor
- Linguistics, B.A.
- Teaching English as a Second Language - TESL Certificate
- Teaching English as a Second Language Minor - TESL
- TESL K-12 Teaching Minor

#### Linguistics Minor

Requirements for the liberal arts minor in linguistics

To earn a liberal arts minor in linguistics, students must complete a minimum of 20 credits including:

##### 1. Required courses

LIN 2201 - Introduction to Linguistics (4) (with a grade of B or higher)

LIN 4303 - Introduction to Phonology (4)

LIN 4304 - Introduction to Syntax (4)

LIN 4403 - Phonological Theory (4) or LIN 4404 - Syntactic Theory (4)

##### 2. At least 4 credits from 3000-4000 level LIN or ALS courses

##### 3. Credit toward the minor will only be allowed for courses completed with a grade of C or higher.

Additional information

A cumulative grade point average (GPA) of 3.00 is required for courses included in the minor.

#### Linguistics, B.A.

Requirements for the liberal arts major in linguistics, B.A. program

To earn a liberal arts major in linguistics, students must complete the following program of study. Credit toward the major will only be allowed for courses completed with a grade of C or higher. A cumulative grade point average (GPA) of 3.00 is required for courses included in the major.

1. A minimum of 40 credits including

a. Required courses

LIN 2201 - Introduction to Linguistics (4) (with a grade of B or higher)

LIN 4302 - Historical Linguistics (4) or LIN 4307 - Introduction to Semantics (4)

LIN 4303 - Introduction to Phonology (4)

LIN 4304 - Introduction to Syntax (4)

LIN 4403 - Phonological Theory (4) or LIN 4404 - Syntactic Theory  
(4)

b. Capstone course

LIN 4470 - The History of Linguistics (4) (fulfills the university general education requirement for the capstone experience and for a writing intensive course in the major or general education)

c. Sixteen additional credits of ALS or LIN courses, with at least 12 credits at the 3000-4000 level

2. Foreign language

Either two years' study of a single foreign language, including American Sign Language (through the ASL 2501 level or higher) or LIN 4409 and one year's study of a single foreign language through the 1150 level or higher.

3. Only two ALS or LIN courses at the 1000-2000 level will be accepted for credit toward the major.

Note

Students majoring in linguistics may not use the ALS rubric toward fulfillment of the College of Arts and Sciences Exploratory Requirement.

Requirements for the modified major in linguistics with a minor in computer science, B.A. program

To earn the minor, students must complete:

1. A minimum of 24 credits in linguistics courses to include

LIN 2201 - Introduction to Linguistics (4) (with a grade of B or higher)

LIN 4303 - Introduction to Phonology (4)

LIN 4304 - Introduction to Syntax (4)

LIN 4403 - Phonological Theory (4) or LIN 4404 - Syntactic Theory  
(4)

LIN 4470 - The History of Linguistics (4) (fulfills the university general education requirement for the capstone experience and for a writing intensive course in the major or general education)

Four additional credits of 3000-4000 level LIN courses

2. A minimum of 20 credits in CSI courses as follows

CSI 1200 - Introduction to Computing and Programming using Excel (4)

CSI 1300 - Introduction to Computer Programming (4)

Three additional CSI courses chosen in consult with a faculty adviser

Note

At least 12 of these credits must be taken at Oakland University. An average grade of at least a C is required in courses counted toward this minor. See requirements for the minor in computing in the School of Engineering and Computer Science section of this catalog.

3. Required course

PHL 3000 - Advanced Symbolic Logic (4)

Note

Credits toward the modified major will only be allowed for courses completed with a grade of C or higher. A cumulative grade point average (GPA) of 3.00 is required for all ALS and LIN courses in the modified major.

Requirements for a modified major with a concentration in linguistics

Students may elect a modified major in anthropology, English, psychology, or sociology, with a concentration in linguistics.

The core in linguistics requires 16 credits including

LIN 2201 - Introduction to Linguistics (4) (with a grade of B or higher)

LIN 4303 - Introduction to Phonology (4)

LIN 4304 - Introduction to Syntax (4)

LIN 4403 - Phonological Theory (4) or LIN 4404 - Syntactic Theory (4)

An additional 4 credits in linguistics courses for the specific concentrations

ALS 4374 - Cross-Cultural Communication (4) or ALS 4375 - Language and Culture (4) (anthropology)

LIN 4312 - History of the English Language (4) (English)

ALS 4335 - Psycholinguistics (4) (psychology)

ALS 4376 - Language and Society (4) (sociology)



## Note

For requirements in the modified majors, students should consult the appropriate department.

### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Teaching English as a Second Language - TESL Certificate**

Requirements for the certificate in teaching English as a second language

Students may earn a certificate in teaching English as a second language (TESL) by completing the courses listed below. In all cases a student must complete 12 credits in linguistics courses at OU and must satisfy the Practicum Eligibility requirement to obtain the certificate. Students interested in this certificate should contact an adviser in the Department of Linguistics.

LIN 2201 - Introduction to Linguistics (4)

ALS 4418 - Teaching English as a Second Language (4)

ALS 4960 - Practicum (4)

#### Practicum eligibility

Eligibility for the practicum (ALS 4960) requires completion of ALS 4418 with a grade of B or higher.

### **Teaching English as a Second Language Minor - TESL**

Requirements for the Teaching English as a Second Language minor

To earn a Teaching English as a Second Language minor, students must complete a minimum of 24 credits to include the following courses:

LIN 2201 - Introduction to Linguistics (4)

ALS 4317 - Models of Second Language Acquisition (4)

ALS 4375 - Language and Culture (4)

ALS 4418 - Teaching English as a Second Language (4)

ALS 4960 - Practicum (4)

ALS 4438 - Theory/Practice in Language Testing (4)

Credit toward the minor will only be allowed for courses with a grade of C or higher.

Students must satisfy the Practicum Eligibility requirement to obtain the minor.

#### Practicum eligibility

Eligibility for the Practicum (ALS 4960) requires completion of ALS 4418 with a grade of B or higher.

#### Additional information

To progress into the internship year, students must maintain a minimum GPA of 3.00 in both their major and minor coursework, with no single course grade below C. Second undergraduate degree candidates completing the minor may be required to take additional courses at Oakland University beyond the stated minimums.

### **TESL K-12 Teaching Minor**

#### Requirements for TESL K-12 Teaching Minor

To earn a TESL K-12 teaching minor, students must complete a minimum of 24 credits to include the following courses:

- LIN 2201 Introduction to Linguistics (4)
- ALS 4317 Models of Second Language Acquisition (4)
- ALS 4375 Language and Culture (4)
- ALS 4418 Teaching English as a Second Language (4)
- ALS 4960 Practicum (4)
- ALS 4438 Theory/Practice in Language Testing (4)

Credit toward the minor will only be allowed for courses with a grade of C or higher.

Students must satisfy the Practicum Eligibility requirement to obtain the minor.

#### Practicum eligibility

Eligibility for the Practicum (ALS 4960) requires completion of ALS 4418 with a grade of B or higher.

#### Additional information

For students following the TESL K-12 teaching minor as part of the OU Teacher Education Program, application to the STEP generally requires a minimum cumulative grade point average of 3.0 in courses in the major and the minor. To progress into the internship year, students must maintain a minimum GPA of 3.00 in both their major and minor coursework, with no single course grade below C. Second undergraduate degree candidates completing the minor may be required to take additional courses at

Oakland University beyond the stated minimums. Students must consult with the education minor adviser in the department.

### **Courses**

#### ALS 1101 - The Humanity of Language (4)

An introduction to the interrelationships of language and other cultural subsystems. Linguistic knowledge, the child's acquisition of language, sound and writing systems, meaning and communication, language and social groups are among the topics discussed. Satisfies the university general education requirement in the foreign language and culture knowledge exploration area.

#### ALS 1102 - Vocabulary Etymology (4)

A basic course in vocabulary building. The origin of scientific and literary terms, foreign phrases in current use, borrowing of words into English from other languages, and the relationship between meaning and culture and meaning and context. Course not applicable to LIN programs.

#### ALS 4317 - Models of Second Language Acquisition (4)

Development of second language ability among children and adults. Topics will include first language acquisition theory, the relationship of second language acquisition to linguistic theory, and will review and evaluate competing models of second language development.

#### ALS 4320 - Linguistics and Reading (4)

Linguistic description and analysis of the process of getting meaning from print. The course will review competing linguistic models of the reading process and insights from first and second language acquisition, psycholinguistics, reading disorders and studies in writing.

#### ALS 4334 - Language Development in Children (4)

Language acquisition in normal and abnormal children: stages of the acquisition process, the role of the environment, the relationship between language and the development of other skills, and language acquisition in children with sensory or psychological disorders.

#### ALS 4335 - Psycholinguistics (4)

The psychology of language, the accommodation between the cognitive and physical structure of humans and the structure of language, the nature of the language learning process, and the consequences of language use. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisites for writing intensive: completion of the university writing foundation requirement.

#### ALS 4340 - The Biology of Language (4)

Animal communication and the evolution of man's capacity for language, development of language in normal and abnormal children, disorders of speech, hearing and language, language and the brain, and genetic aspects of language.

#### ALS 4360 - Neurolinguistics (4)

The neurology of language: essentials of neuroanatomy, neurological mechanisms underlying language, aphasia and kindred disorders of speech; the relationship of language to memory, intelligence and cognition; and language and mental retardation and psychological disorders.

ALS 4374 - Cross-Cultural Communication (4)

A theoretical and practical examination of the role of language and nonverbal modes in intercultural communication. Problems and strategies for developing awareness of and operational skills in intercultural processes. Satisfies the university general education requirement in U.S diversity.

ALS 4375 - Language and Culture (4)

Language viewed as cultural behavior: its system, acquisition and use; its relation to history, attitudes and behavior; and standard languages, social dialects, pidgins and creoles.

ALS 4376 - Language and Society (4)

Language in its social context, intrasocietal variation, social evaluation of language varieties (style, dialect) as an influence in language change, and the choice of a language variety as an index of group solidarity, social ideology and individual attitudes.

ALS 4418 - Teaching English as a Second Language (4)

Approaches, methods and techniques of teaching pronunciation, grammar and vocabulary. The use of language tests and laboratory techniques.

Prerequisite(s): LIN 2201

ALS 4438 - Theory/Practice in Language Testing (4)

A study of the different types of aptitude and achievement tests used in different language settings, including research and educational situations. Brief introduction to test statistics and computerized analysis of test scores. Practical aspects of testing: design, scoring and administration.

Prerequisite(s): ALS 4317 or ALS 4418 or permission of instructor.

ALS 4890 - Topics in Applied Language Science (4)

Specific topics and issues in the study of language in its cultural, social or historical contexts. May be repeated for additional credit under different subtitle.

ALS 4960 - Practicum (4)

Internship in an assigned ESL program under the guidance of a university instructor. Offered fall, winter and summer. Availability in summer is limited. For eligibility requirement, see Practicum Eligibility. May be taken for up to 8 credits.

Prerequisite(s): ALS 4418 and permission of instructor.

ESL 0117 - Level 1 Listening and Speaking (4)

For non-native speakers of English. To aid in the development of fundamental English proficiency skills so students will be able to communicate very simple spoken commands and understand simple directions in English.

Prerequisite(s): placement.

ESL 0118 - Level 1 Reading and Vocabulary Development (4)

For non-native speakers of English only. Designed to build fundamental English proficiency skills in phonics, vocabulary, and comprehension of text in English.

Prerequisite(s): placement.

ESL 0119 - Level 1 Writing and Sentence Structure for Academic Purposes (4)

For non-native speakers of English only. Designed to build fundamental grammar skills in written English so that students can construct simple sentences.

Prerequisite(s): placement.

ESL 0227 - Level 2 - Listening and Speaking (4)

For non-native speakers only. To aid students in developing general listening and speaking skills through guided conversational practice. Students will be instructed in appropriate conversational techniques and will practice in group discussions.

Prerequisite(s): ESL 0117 with a grade of (B-) or higher or placement.

ESL 0228 - Level 2 - Reading and Vocabulary Development (4)

For non-native speakers only. Designed to help students develop general-purpose reading skills and strategies. Emphasis on vocabulary development, phonics and fundamental reading strategies for comprehending text.

Prerequisite(s): ESL 0118 with a grade of (B-) or higher or placement.

ESL 0229 - Level 2 - Writing and Technology (4)

For non-native speakers only. Practice in the development of fundamental computer literacy, typing, and writing skills utilizing technology.

Prerequisite(s): ESL 0119 with a grade of (B-) or higher or placement.

ESL 0337 - Level 3 - Conversation Skills (4)

For non-native speakers only. Guides students towards differentiating aurally between the vowels, consonants, stress, rhythm and intonation patterns of spoken American English. Through structured conversation students will be introduced to expressions as encountered in everyday communicative situations.

Prerequisite(s): ESL 0227 with a grade of (B-) or higher or placement.

ESL 0338 - Level 3 - Reading and Vocabulary Development (4)

For non-native speakers only. Designed to help students develop reading skills and strategies for academic purposes. Emphasis on decoding and comprehension strategies with an emphasis on word formation techniques in English.

Prerequisite(s): ESL 0228 with a grade of (B-) or higher or placement.

ESL 0339 - Level 3 - Writing Fluency (4)

For non-native speakers only. Designed for students of ESL to improve basic writing skills in English with an emphasis on writing fluency and organizational techniques.

Prerequisite(s): ESL 0229 with a grade of (B-) or higher or placement.

ESL 0447 - Level 4 - Intro to American Culture and Customs (4)

For non-native speakers only. Introduction to the environment and culture of the United States. Students will participate in specific listening and speaking tasks supported with additional reading and writing tasks, as they

relate to practical cultural information.

Prerequisite(s): ESL 0337 with a grade of (B-) or higher or placement.

ESL 0448 - Level 4- Reading and Vocabulary (4)

For non-native speakers only. Designed to help students develop reading skills and strategies for academic purposes. Emphasis on comprehension and retention strategies.

Prerequisite(s): ESL 0338 with a grade of (B-) or higher or placement.

ESL 0449 - Level 4 - Writing and Technology (4)

For non-native speakers only. Practice in the development of intermediate computer literacy, typing, and writing skills utilizing technology.

Prerequisite(s): ESL 0339 with a grade of (B-) or higher or placement.

ESL 0557 - Level 5 - Listening and Speaking for Academics (4)

For non-native speakers only. To introduce students to the necessary listening and speaking skills for an academic environment. Focus will be on listening and speaking in a variety of class settings (lecture, seminar, discussion) and will include note-taking and subject comprehension.

Prerequisite(s): ESL 0447 with a grade of (B-) or higher or placement.

ESL 0558 - Level 5 - Reading and Vocabulary Development (4)

For non-native speakers only. Focus on developing reading comprehension skills and strategies and to develop critical thinking skills while increasing receptive vocabulary skills.

Prerequisite(s): ESL 0448 with a grade of (B-) or higher or placement.

ESL 0559 - Level 5 - Application of Grammar Skills in Process Writing (4)

For non-native speakers only. An intensive study and application of grammatical structures to strengthen voice, syntax, and cohesion in writing for a variety of academic purposes.

Prerequisite(s): ESL 0449 with a grade of (B-) or higher or placement.

ESL 0567 - Topics in English as a Second Language II (2 OR 4)

For non-native speakers only. An intensive study of intermediate topics in English as a Second Language such as the development of fluency with simple grammatical structures through reading, writing, speaking and listening. May be repeated for up to 12 credits.

Prerequisite(s): will vary with topic.

ESL 0577 - Topics in English as a Second Language III (2 OR 4)

For non-native speakers only. An intensive study of advanced topics in English as a Second Language such as the development of fluency with complex grammatical structures through reading, writing, speaking and listening. May be repeated for up to 12 credits.

Prerequisite(s): will vary with topic.

ESL 0667 - Level 6 - Conversation Skills: Pronunciation (4)

For non-native speakers only. Provides students with structured conversation, study and practice. Designed for effective communication with native speakers of English in a variety of diverse settings with a focus on academic environments. Pronunciation of the vowels, consonants, stress, rhythm and intonation patterns of American

English will be emphasized.

Prerequisite(s): ESL 0557 with a grade of (B-) or higher or placement.

ESL 0668 - Level 6 - Reading and Vocabulary Development (4)

For non-native speakers only. Designed to help students develop reading skills and strategies for academic purposes. Emphasizes critical analysis, handling heavy reading loads and developing appropriate technical vocabularies.

Prerequisite(s): ESL 0558 with a grade of (B-) or higher or placement.

ESL 0669 - Level 6 - Writing for Academic Purposes (4)

For non-native speakers only. Improving basic knowledge of paragraph structure, linear sequencing and grammatical structures used in writing. Introduction and use of the writing process: brainstorming, writing, revision, self/peer editing, proofreading.

Prerequisite(s): ESL 0559 with a grade of (B-) or higher or placement.

ESL 0777 - Level 7 - Listening and Speaking for Academics (4)

For non-native speakers only. Guides students toward mastery of the skills necessary to succeed in the academic setting. Focus is on student demonstration of their ability to communicate and understand English effectively in a variety of academic situations such that they are prepared for integration into general education courses.

Prerequisite(s): ESL 0667 with a grade of (B-) or higher or placement.

ESL 0778 - Level 7 - Reading and Vocabulary Development (4)

For non-native speakers only. Designed to help students refine reading skills and strategies for academic purposes. Emphasizes critical analysis and close reading skills.

Prerequisite(s): ESL 0668 or ESL 0780 with a grade of (B-) or higher or placement.

ESL 0779 - Level 7 - Academic Writing (4)

For non-native speakers only. Practice in the development of advanced computer literacy, typing, and writing skills utilizing technology. Combines extensive practice in process writing for a variety of audiences and purposes (e.g., lab reports, essays and research reports) with an emphasis on developing fluency.

Prerequisite(s): ESL 0669 with a grade of (B-) or higher or placement.

ESL 0780 - Level 7 - Test Prep (4)

For non-native speakers only. Preparation for successful performance on English language proficiency tests for ESL students. Students will learn specific test-taking strategies while improving their skills in reading, writing, speaking, and listening in English.

Prerequisite(s): ESL 0669 with a grade of (B-) or higher or placement.

ESL 0887 - Level 8 - Listening and Speaking: English for Academic Success (4)

For non-native speakers of English. Emphasis on improving presentation skills, particularly pronunciation, and on addressing issues relevant to graduate student success.

Prerequisite(s): ESL 0777 or ESL 0780 with a grade of (B-) or higher or placement.

ESL 0888 - Level 8 - Reading and Vocabulary for Research (4)

For non-native speakers only. Designed to aid graduate students with the tasks of reading and comprehending substantive research papers or theses. Emphasis will be on critical thinking skills and vocabulary development. Prerequisite(s): ESL 0778 with a grade of (B-) or higher or placement.

ESL 0889 - Level 8 - Academic Writing for Research Purposes (4)

For non-native speakers only. Designed to aid graduate students with the tasks of writing substantive research papers or thesis.

Prerequisite(s): ESL 0779 or ESL 0780 with a grade of (B-) or higher or placement.

ESL 1010 - American Cultures, Customs, and Language Exploration (4)

Introductory course to prepare students for academic success at an American university. Students will explore American campus culture, learn about a variety of student success services, and develop academic success strategies and skills to help navigate and prepare for general education courses.

ESL 1579 - Independent Study in English as a Second Language (2 OR 4)

For non-native speakers only. Provides students with the opportunity to design a course of study that meets their particular English language needs. May be repeated for up to 12 credits.

Prerequisite(s): permission of instructor.

LIN 1177 - Introduction to Language Science (4)

A basic introduction to the modern study of language as rule-governed behavior. Among the topics considered are the linguistic principles pertaining to sounds, words, sentences and meanings in cultural subsystems that enable people to communicate. Examples and analysis of English and other languages.

LIN 1180 - Linguistic Analysis (4)

Introduction to the analytical and theoretical concepts used by linguists to describe the structure of human language. Focus on an analysis of both sound and phrase structures. Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

LIN 1181 - Introduction to the Development of the English Language (4)

An introduction to the development of the English language from its Anglo-Saxon beginnings to the present, including the development of the sounds, words, sentences and meanings of English. Discussion of the spread and dominance of English as a world language and the many varieties of English will also be included. Satisfies the university general education requirement in foreign language and culture knowledge exploration area.

LIN 1182 - Language and the Brain (4)

Overview of the anatomy and physiology of language in the brain, including discussion of human characteristics that make language possible, human problems with language that result from various pathologies, and the mind-brain relationship. Consideration of the nature of language as a specifically human phenomenon. Satisfies the university general education requirement in the natural science and technology knowledge exploration area.

LIN 1183 - Formal Rules of Sound Structure (4)



Introduction to the description, organization and formal analysis of data dealing with the sound structure of human language. Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

LIN 1184 - Formal Rules of Phrase Structure (4)

Introduction to the description, organization, and formal analysis of data dealing with the phrase structure of human language. Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

LIN 2201 - Introduction to Linguistics (4)

Introduction to the modern study of human language. Emphasis on the analysis of sound and structure, variation and change, and linguistic universals. A grade of (B) or higher is required for admission to a major or minor in linguistics.

LIN 2207 - Meaning in Language (4)

Broad examination of how humans use language to convey meanings of various kinds, including literal, non-literal, and interpersonal meaning, and ways in which language reflects how humans think.

LIN 3301 - Linguistic Structures (4)

An introduction to synchronic linguistic analysis, with structural problems in natural languages.  
Prerequisite(s): LIN 2201

LIN 4302 - Historical Linguistics (4)

Diachronic linguistic analysis: language change, dialect geography, establishment of genealogical relationships, the reconstruction of earlier stages of languages and the relationship of language change to synchronic analysis.

Prerequisite(s): LIN 2201 with a grade of (B) or higher.

LIN 4303 - Introduction to Phonology (4)

Fundamentals of phonological analysis using data from a variety of languages.

Prerequisite(s): LIN 2201 with a grade of (B) or higher.

LIN 4304 - Introduction to Syntax (4)

Fundamentals of syntactic analysis using data from a variety of languages.

Prerequisite(s): LIN 2201 with a grade of (B) or higher.

LIN 4305 - Phonetic Theory (4)

Introduction to articulatory and acoustic descriptions of spoken language, and training in the recognition of production of sounds found in languages other than English.

Prerequisite(s): LIN 2201 with a grade of (B) or higher.

LIN 4307 - Introduction to Semantics (4)

Fundamentals of semantic analysis using data from a variety of languages.

Prerequisite(s): LIN 2201 with a grade of (B) or higher.

LIN 4312 - History of the English Language (4)

Identical with ENG 3100

Prerequisite(s): WRT 1060

LIN 4320 - Computer Parsing of Natural Languages (4)

An examination of the syntactic and semantic properties of natural language and a survey of the techniques for computer parsing. Student projects in the computer analysis of language.

Prerequisite(s): LIN 2201 and CSI 1300

LIN 4350 - Linguistic Typology (4)

Patterns of variation in the world's languages; linguistic universals that provide insight into the complexity of the human language faculty.

Prerequisite(s): LIN 2201 with a grade of (B) or higher.

LIN 4357 - Cognitive Linguistics (4)

A cognitive/functional approach to grammatical theory focusing on the relation between language and cognition in the study of semantic, lexical and grammatical structure.

Prerequisite(s): LIN 2201 or permission of instructor.

LIN 4403 - Phonological Theory (4)

A presentation of theory and application of phonological analysis with emphasis on original work.

Prerequisite(s): LIN 4303 with a grade of (C) or higher.

LIN 4404 - Syntactic Theory (4)

Presentation of theory and application of syntactic analysis, with emphasis on original work.

Prerequisite(s): LIN 4304 with a grade of (C) or higher.

LIN 4407 - Semantic Theory (4)

A presentation of theory and application of semantic analysis with emphasis on original work.

Prerequisite(s): LIN 4307 with a grade of (C) or higher.

LIN 4409 - Studies in the Structure of a Language (4)

A study of the structural aspects of an individual language to be determined by the instructor.

Prerequisite(s): LIN 4303 or LIN 4304

LIN 4413 - Advanced Phonology (4)

Advanced course in phonology with emphasis on current issues in phonological theory.

Prerequisite(s): LIN 4403

LIN 4414 - Advanced Syntax (4)

Advanced course in syntax with emphasis on current issues in syntactic theory.

Prerequisite(s): LIN 4404

LIN 4417 - Advanced Semantics (4)

Advanced course in semantics with emphasis on current issues in semantic theory.

Prerequisite(s): LIN 4407

LIN 4470 - The History of Linguistics (4)

Examination of the major movements and trends in the history of linguistics from ancient India to the present. Satisfies the university general education requirement for a writing intensive course in the major or general education, not both. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): senior standing and 12 credits in LIN courses numbered above 3000 including LIN 4303 and LIN 4304

LIN 4480 - Philosophy of Language (4)

Identical with PHL 4100.

Prerequisite(s): Junior standing. LIN 2207 or one course in logic. (PHL 1070 strongly recommended).

LIN 4890 - Special Topics (4)

Topics and problems selected by the instructor.

Prerequisite(s): permission of the Department of Linguistics.

LIN 4987 - Seminar in Linguistics (4)

Topics and problems selected by the instructor.

Prerequisite(s): LIN 2201 and permission of the instructor.

LIN 4996 - Independent Study (2 OR 4)

Special research projects in linguistics. Graded numerically or satisfactory/unsatisfactory by written agreement with linguistics faculty supervisor.

Prerequisite(s): LIN 2201 and instructor permission.

LTN 1140 - Introduction to Latin Language and Roman Culture (4)

A two-semester sequence in the fundamentals of Latin language and classical Roman culture. A beginning course. LTN 1140 must be taken first. LTN 1140 and LTN 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

LTN 1150 - Introduction to Latin Language and Roman Culture (4)

A two-semester sequence in the fundamentals of Latin language and classical Roman culture. A beginning course. LTN 1140 must be taken first. LTN 1140 or LTN 1150 satisfy the university general

education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): LTN 1140

## Department of Mathematics and Statistics

368 Mathematics and Science Center

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Chairperson: Anna Spagnuolo

Professors emeriti: J. Curtis Chipman, David J. Downing, George F. Feeman, Jerrold W. Grossman, Robert H. Kushler, Louis J. Nachman, Irwin E. Schochetman, Sze Kai Tsui, J. Barry Turett

Distinguished professors: Eddie Cheng, Meir Shillor

Professors: Kevin T. Andrews, Baruch Cahlon, Charles C. Cheng, Dorin Drignei, Ravindra Khattree, László Lipták, Gary C. McDonald, Subbaiah Perla, Xiangqui Qu, Darrell Schmidt, Anna Spagnuolo, Stuart S. Wang, Stephen J. Wright, Wen Zhang

Associate professors: Aycil Cesmelioglu, Serge Kruk, Li Li, Theophilus Ogunyemi, Tanush Shaska, Peter Shi, Daniel Steffy

Assistant professors: Nghia T.A. Tran

Adjunct Professors: Ian Bradbury, David Lamb, Charles Wampler

Chief adviser: Darrell Schmidt

The Department of Mathematics and Statistics offers programs of study leading to the Bachelor of Arts degree with a major in mathematics, Bachelor of Science degree with a major in mathematics or applied statistics, Bachelor of Science degree in actuarial science that is jointly offered with the Department of Economics, Master of Science degree in industrial applied mathematics, Master of Science degree in applied statistics, Master of Arts degree in mathematics and Doctor of Philosophy degree in applied mathematical sciences. In addition, the department offers courses that are required or recommended as electives in other academic programs. For further information on the graduate programs offered by the department, see the Oakland University Graduate Catalog.

Students are encouraged to elect a variety of applied courses, both inside and outside of the department. The greater the familiarity with applications of mathematics, the greater the possibilities of employment in a world that is becoming more mathematics-oriented each year. Concentrations or minors, or even second majors, are available in computer science, the life sciences, the physical sciences, engineering, business administration, the social sciences and linguistics. Mathematics majors are advised to consult department faculty when planning their programs.

### Prerequisites and Placement

Each student enrolling in a course offered by the Department of Mathematics and Statistics must meet the prerequisites for that course. Students who do not meet the prerequisites will not be permitted to enroll or remain enrolled in the course.

The prerequisites may be met in a number of ways: by completing the stated prerequisite course(s) with a grade of C or better; by completing an equivalent course at another university, college or community college with a grade of C or better; or through placement.

Grades below C in prerequisite courses are not acceptable, nor are high school courses. In rare cases, the department may grant permission to enroll in a course without the formal prerequisites. Students with unusual circumstances should consult the instructor of the course or a department adviser.

Placement into levels E, I, R, or C, described below, is determined by the mathematics ACT (or SAT equivalent) Score or by a placement test. For details on this placement, consult an adviser or the department's web page. The levels of placement are as follows:

E: The student is ready for MTH 0661\* or MTH 1118.

I: The student has demonstrated competence through MTH 0661\* and is ready for MTH 0662\* or MTH 1118.

R: The student has demonstrated competence through MTH 0662\* and is ready for MTH 1118, MTH 1221, MTH 1331, MTH 1441, MTE 2110 or STA 2220.

C: The student has demonstrated competence through MTH 1441 and is ready for MTH 1118, MTH 1221, MTH 1222, MTH 1554, MTE 2110, STA 2220, STA 2221 or STA 2222.

Formal course competency credit is not available in MTH 0661\*, MTH 0662\*, MTH 1331, MTH 1332 or MTH 1441.

\*See information concerning these skill enrichment courses below.

Capstone courses: The department offers the following options for students to satisfy the capstone requirement for their major: ACS 4550 - Financial Mathematics, MTH 4114 - History of Mathematics, STA 4228 - Introduction to Mathematical Statistics II.

### Departmental Honors

Departmental honors may be awarded to graduating seniors in either the B.A. or the B.S. degree program who have demonstrated outstanding achievement in their mathematical science course work, as evidenced by high grades, high level courses and/or more than a minimum number of courses. Further information is available from the department chairperson. In addition, the department will normally present the Louis R. Bragg Graduating Senior Award each year to the most outstanding graduate in any of the departmental majors.

Skill Enrichment Courses: MTH 0661 and MTH 0662

MTH 0661 and MTH 0662 are academic skill enrichment courses specially designed to aid incoming students who need additional preparation prior to entering one of the university's standard mathematical sciences sequences. Note that when a student exercises the repeat option and takes MTH 0661 or MTH 0662 to replace a grade previously earned in MTH 011, MTH 012, MTH 102, MTH 103, MTH 111 or MTH 112, the grade earned in MTH 0661 or MTH 0662 will replace the former grade.

### Programs

- Applied Statistics, B.S.
- Mathematics, B.A.
- Mathematics, B.S.
- Actuarial Science, B.S., Mathematics
- Mathematics, STEP
- Mathematics Minor
- Applied Mathematics Minor
- Applied Statistics Minor
- Mathematics Secondary Teaching Minor

### **Applied Statistics, B.S.**

Requirements for the major in applied statistics, B.S. program

To earn the Bachelor of Science degree with a major in applied statistics, students must:

1. Complete 28 credits in statistics.

STA 2226 - Applied Probability and Statistics (4)

STA 4002 - Applied Linear Models I (4)

STA 4227 - Introduction to Mathematical Statistics I (4)

STA 4228 - Introduction to Mathematical Statistics II (4)

12 credits chosen from STA courses numbered above 3000 (but not STA 5001-5002)

2. Complete

MTH 1554 - Calculus I (4)

MTH 1555 - Calculus II (4)

MTH 2554 - Multivariable Calculus (4)

MTH 2775 - Linear Algebra (4)

And one more course chosen from

APM 2559 - Introduction to Differential Equations (4)

APM 2663 - Discrete Mathematics (4)

APM 3332 - Applied Matrix Theory (4)

APM 4333 - Numerical Methods (4)

APM 4334 - Applied Numerical Methods: Matrix Methods (4)

MTH 4552 - Advanced Calculus I (4)

MOR 2442 - Elementary Models in Operations Research (4)

MOR 4554 - Linear and Integer Optimization (4)

MOR 4555 - Nonlinear Optimizations (4)

MOR 4556 - Stochastic Models in Operations Research (4)

3. Complete one of the following.

CSI 1300 - Introduction to Computer Programming (4)

EGR 1400 - Computer Problem Solving in Engineering and Computer Science (4)

4. Complete one of the following.

ENG 3110 - Advanced Critical Writing (4)

WRT 4908 - Special Topics in Professional Writing (4)

WRT 3081 - Science Writing (4)

WRT 3082 - Business Writing (4)

5. Complete a course in ethics given by the Department of Philosophy.
6. Complete 16 credits in a single area outside the Department of Mathematics and Statistics to which statistics could be applied.

The 16 credits must include at least one course that is quantitatively oriented. The rest of the 16 credits could come from prerequisite courses or any related courses. These 16 credits must be approved in advance by an adviser in the Department of Mathematics and Statistics. The courses need not be in a single department, but the total package should constitute a substantive examination of a single area. Courses used to satisfy this requirement may also be used to satisfy university general education or college exploratory requirements.

7. Earn a minimum grade of C in each mathematical sciences and computer science course used to satisfy the major requirements.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Mathematics, B.A.**

Requirements for the liberal arts major in mathematics, B.A. program

To earn the Bachelor of Arts degree with a major in mathematics, students must:

1. Complete a core of eight courses with a grade of at least C in each.

MTH 1554 - Calculus I (4)

MTH 1555 - Calculus II (4)

MTH 2554 - Multivariable Calculus (4)

MTH 2775 - Linear Algebra (4)

MTH 3002 - Introduction to Advanced Mathematical Thinking (4)

MTH 4552 - Advanced Calculus I (4)

MTH 4775 - Abstract Algebra I (4)

STA 2226 - Applied Probability and Statistics (4)

2. Complete three additional 3- or 4-credit courses in the mathematical sciences chosen from

APM 2559 - Introduction to Differential Equations (4)



APM 2663 - Discrete Mathematics (4)

MOR 2442 - Elementary Models in Operations Research (4)

Courses labeled MTH, APM, MOR or STA at the 3000-4000 level, with the exception of MTH 4997

Each course must be completed with a grade of at least C.

Majors in the secondary education program must choose APM 2663, MTH 4662 and MTH 4114 as these three courses. Well-prepared students may substitute 5000-level courses with the approval of the departmental adviser.

3. Complete one of the following courses with a grade of at least C.

CSI 1300 - Introduction to Computer Programming (4)

EGR 1400 - Computer Problem Solving in Engineering and Computer Science (4)

CSI 2300 - Object-Oriented Computing (4)

4. Complete two additional 3- or 4-credit courses, as approved by the departmental adviser, in an area related to mathematics, with an average grade of at least C.

The area chosen will normally be in science, engineering, computer science, economics or statistics. Courses used to satisfy this requirement may also be used to satisfy university general education or college exploratory requirements. Students in the secondary education program will be deemed to have satisfied this requirement with their secondary teaching minor, regardless of its subject area.

Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Mathematics, B.S.**

Requirements for the major in mathematics, B.S. program

To earn the Bachelor of Science degree with a major in mathematics, students must:

1. Complete a core of nine courses with a grade of at least C in each.

MTH 1554 - Calculus I (4)

MTH 1555 - Calculus II (4)  
 MTH 2554 - Multivariable Calculus (4)  
 MTH 2775 - Linear Algebra (4)  
 MTH 3002 - Introduction to Advanced Mathematical Thinking (4)  
 MTH 4552 - Advanced Calculus I (4)  
 MTH 4775 - Abstract Algebra I (4)  
 MTH 4553 - Advanced Calculus II (4) or MTH 4776 - Abstract Algebra II (4)  
 STA 2226 - Applied Probability and Statistics (4)

2. Complete four additional 3- or 4-credit courses in the mathematical sciences chosen from

APM 2559 - Introduction to Differential Equations (4)  
 APM 2663 - Discrete Mathematics (4)  
 MOR 2442 - Elementary Models in Operations Research (4)  
 Courses labeled MTH, APM, MOR or STA at the 3000-4000 level, with the exception of MTH 4997.

Each course must be completed with a grade of at least C.

APM 2663, MTH 4662 and MTH 4114 must be included among these four courses for students in the secondary education program. Well-prepared students may substitute 5000-level courses with the approval of the departmental adviser.

3. Complete CSI 2300 - Object-Oriented Computing I (4) with a grade of at least C.

4. Complete three additional 3- or 4-credit courses, as approved by the departmental adviser, in an area related to mathematics, with an average grade of at least C.

The area chosen will normally be in science, engineering, computer science, economics or statistics. Courses used to satisfy this requirement may also be used to satisfy university general education or college exploratory requirements. Students in the secondary education program will be deemed to have satisfied this requirement with their secondary teaching minor, regardless of its subject area.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **Actuarial Science, B.S., Mathematics**

## Requirements for the major in actuarial science, B.S. program

Because an actuary needs a blend of mathematics, economics, statistics and finance, this major is offered jointly by the Department of Mathematics and Statistics and the Department of Economics. However, the major in actuarial science differs significantly from the other majors offered by these two departments because it (1) prepares students for jobs in actuarial science and provides them with the educational background necessary to pursue an advanced degree in economics, mathematics, statistics, or business administration, (2) integrates two distinctly different disciplines, thereby providing students with a breadth of knowledge that is needed in a fast-changing world, and (3) provides students with the analytical and reasoning skills to successfully complete the first two exams in actuarial science offered by the Society of Actuaries.

To earn the Bachelor of Science degree with a major in actuarial science, students must

### 1. Complete Basic Mathematics Requirements

MTH 1554 - Calculus I (4)

MTH 1555 - Calculus II (4)

MTH 2554 - Multivariable Calculus (4)

MTH 2775 - Linear Algebra (4)

### 2. Complete Probability Requirements

ACS 3000 - Foundations of Probability and Calculus (1) (unless the student has earned a grade of at least B+ in MTH 2554 - Multivariable Calculus (4) or permission of the chief undergraduate adviser)

STA 2226 - Applied Probability and Statistics (4)

STA 4227 - Introduction to Mathematical Statistics I (4)

### 3. Complete Economics Requirements

ECN 2100 - Principles of Economics (6) or both ECN 2010 - Principles of Microeconomics (4) and ECN 2020 - Principles of Global Macroeconomics (4) (or ECN 2000 Principles of Macroeconomics (4))

ECN 3020 - Intermediate Macroeconomics (3) or ECN 3210 - Financial Markets and Economy (3)  
(Students under a previous catalog who have taken ECN 3210 may use this course as a substitute for ECN 3020.)

ECN 3030 - Managerial Economics (3) or ECN 3810 - Mathematical Analysis for Economists (3)  
(Students under a previous catalog who have taken ECN 3810 may use this course as a substitute for ECN 3030)

### 4. Complete Statistics Requirement

QMM 2410 - Statistical Methods for Business II (3) or STA 4330 - Time Series I (4) or STA 4228 - Introduction to Mathematical Statistics II (4)

(Students under a previous catalog who have taken ECN 4060 or STA 4228 or STA 4330 may use these courses as a substitute for QMM 2410.)

#### 5. Complete Accounting and Finance Requirements

ACC 2000 - Introductory Financial Accounting (4)

FIN 3550 - Finance for Actuarial Science (4) or ( FIN 3220 - Managerial Finance I (3) and FIN 3720 - Managerial Finance II (3)) (Students under a previous catalog who have taken FIN 3550 may use this course as a substitute for FIN 3220)

#### 6. Complete Regression Requirement

ECN 4050 - Econometrics (3) or STA 4002 - Applied Linear Models I (4)

#### 7. Complete Database and Programming Requirements

EGR 1400 - Computer Problem Solving in Engineering and Computer Science (4)

MIS 3130 - Information and Data Management (3) or MIS 3140 - Business Database Systems (3)

(Students under a previous catalog who have taken MIS 3130 may use this course as a substitute for MIS 3140.)

MIS 4460 - Business Analytics (3)

#### 8. Complete Additional Mathematics-Statistics Requirement

APM 2559 - Introduction to Differential Equations (4) or STA 4225 - Elements of Stochastic Processes (4) or APM 4334 - Applied Numerical Methods: Matrix Methods (4) (Students under a previous catalog who have taken APM 2559 may use this course as a substitute for APM 2555)

#### 9. Complete Financial Mathematics Requirement

ACS 4550 - Financial Mathematics (3)

#### 10. Complete Financial Derivatives Requirement

ACS 4660 - Financial Economics (3) or FIN 4250 - Financial Derivatives (3)

#### 11. Complete cognate courses

WRT 3082 - Business Writing (4)

COM 2000 - Public Speaking (4) or COM 2403 - Group Dynamics and Communication (4)

## 12. Complete ACHIEVE courses

SBC 1990 - ACHIEVE I (0) (to be taken during the freshman year or first year as an actuarial science major)

SBC 2990 - ACHIEVE II (0) (to be taken during the fall semester of the sophomore year or the second semester as an actuarial science major)

ACS 3990 - ACHIEVE 3 Actuarial Sciences (0) (to be taken during the second semester of the sophomore year or the third semester as an actuarial science major)

13. Earn a minimum grade of C in all courses applied to the major including cognate courses for the major.

### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

### **Mathematics, STEP**

Secondary Teacher Education Program (STEP): Mathematics

The Secondary Teacher Education Program (STEP) at Oakland University is an extended program of study leading to certification. Generally, eligibility into the STEP requires a GPA of 3.00 in both the major and the minor, and an overall GPA of 2.80. No single major or minor course grade may be below C. Second undergraduate degree candidates completing major and/or minors may be required to complete additional course work at Oakland University beyond the stated minimums. Students must consult with the secondary education adviser in the department.

1. Complete the requirements for a B.A. or B.S. degree in mathematics

Within those requirements, include the following courses among the mathematics electives:

APM 2663 - Discrete Mathematics (4)

MTH 4662 - Geometric Structures (4)

MTH 4114 - History of Mathematics (4)

2. Complete a 20-28 credit secondary teaching minor.

3. Complete the required sequence of undergraduate coursework in education consisting of

- SED 3000 - Introduction to Secondary Education (4) (must be completed prior to STEP application)
- RDG 4238 - Teaching Reading in the Content Areas (4) (must be completed prior to the final internship semester)
- DLL 4197 - Digital Technologies in the Secondary Classroom (4) (must be completed prior to the final internship semester)
- FE 3010 - Educational Psychology for K-12 Educators (4) (must be completed prior to the final internship semester)
- SED 4100 - ST: Teaching Secondary in the Minor Methods (4) or SED 4130 Teaching in Your Minor Field: Mathematics (4) (must be completed prior to the final internship semester)
- SE 4401 - Introduction to Students with Special Needs (4)
- SED 4200 - ST: Teaching Secondary of the Major Methods (4)
- SED 4951 - Internship I: Pre-Student Teaching (4)
- SED 4952 - Internship in Secondary Education (8)

Additional information

Further details on program and admission requirements and procedures can be found in the School of Education and Human Services portion of the catalog and by consulting advisers in the Department of Mathematics and Statistics and the School of Education and Human Services advising office, 363 Pawley Hall, (248) 370-4182.

### **Mathematics Minor**

Requirements for the liberal arts minor in mathematics

To qualify for the liberal arts minor in mathematics, students must take a minimum of 20 credits chosen from

- MTH 1555 - Calculus II (4)
- MTH 2554 - Multivariable Calculus (4)
- MTH 2775 - Linear Algebra (4)
- APM 2555 - Introduction to Differential Equations with Matrix Algebra (4) or APM 2559 - Introduction to Differential Equations (4)
- APM 2663 - Discrete Mathematics (4)
- MOR 2442 - Elementary Models in Operations Research (4)
- STA 2226 - Applied Probability and Statistics (4)
- Any 3000-4000 level courses labeled MTH, APM, MOR or STA, except MTH 4997

## Note

Each course used to satisfy the minor requirements must be completed with a grade of at least C.

Students majoring in engineering or computer science are not eligible for this program and should consult the requirements for the applied mathematics minor for students in the School of Engineering and Computer Science.

### **Applied Mathematics Minor**

Requirements for the applied mathematics minor

For students in the School of Engineering and Computer Science. Students in the school must complete the following courses with a grade of at least C in each to qualify for the applied mathematics minor.

- MTH 2554 - Multivariable Calculus (4)
- MTH 2775 - Linear Algebra (4)
- MTH 3002 - Introduction to Advanced Mathematical Thinking (4)
- STA 2226 - Applied Probability and Statistics (4) (or another statistics course approved by the departmental adviser)
- MTH 4552 - Advanced Calculus I (4) or MTH 4775 - Abstract Algebra I (4)

### **Applied Statistics Minor**

Requirements for the minor in applied statistics

To qualify for the minor in applied statistics, students must take a minimum of 20 credits of STA courses including

STA 2226 - Applied Probability and Statistics (4)

STA 4002 - Applied Linear Models I (4)

At least three other STA courses at the 3000 level or above, excluding STA 5001 and STA 5002

## Note

Each course used to satisfy the minor requirements must be completed with a grade of at least C.

### **Mathematics Secondary Teaching Minor**

Requirements for the secondary teaching minor in mathematics

To qualify for a secondary teaching minor in mathematics, students must take 28 credits consisting of

- MTH 1554 - Calculus I (4)
- MTH 1555 - Calculus II (4)
- APM 2663 - Discrete Mathematics (4)
- STA 2226 - Applied Probability and Statistics (4)
- MTH 3002 - Introduction to Advanced Mathematical Thinking (4)
- MTH 4662 - Geometric Structures (4)
- SED 4100 - ST: Teaching Secondary in the Minor Methods (4)

#### Note

Generally, application to OU STEP requires a minimum cumulative grade point average of 3.0 in courses in the major and the minor. To progress into the internship year, students admitted to the OU STEP must maintain a minimum GPA of 3.00 in both their major and minor coursework, with no single course grade below C.

Second undergraduate degree candidates completing the minor may be required to take additional courses at Oakland University beyond the stated minimums. Students must consult with the secondary education adviser in the department.

#### Courses

##### ACS 3000 - Foundations of Probability and Calculus (1)

Short review of important tools in algebra and calculus and links to applications of probability functions as integration and summation tools. Application of sequences and series to discrete probability distributions. Basic probability theory and combinatorial probability.

Prerequisite(s): MTH 2554 and STA 2226, each with a grade of (C) or higher.

##### ACS 3001 - Review for P/1 Exam (1)

Review of materials for the Society of Actuaries P/1 exam. Generally offered during summer semester.

Prerequisite(s): STA 2226

##### ACS 3002 - Review for the FM/2 Exam (1)

Review of materials for the Society of Actuaries FM/2 exam. Generally offered during summer semester.

Prerequisite(s): FIN 3720

##### ACS 3660 - Case Project (1)

Working in teams students will work on a real actuarial project presented by the instructor. Course is usually offered over the entire 14 week summer session and is a blend of online and in class meetings. Course is repeatable.

Prerequisite(s): Actuarial science major.



**ACS 3905 - Special Topics in Actuarial Science (1 TO 3)**

Study of a selected topic in actuarial sciences. Emphasis is placed on the institutional rather than theoretical aspects of a topic. May be repeated a total of four times as long as the topic is different. Generally offered during summer semester. Course is repeatable for additional credit.

Prerequisite(s): Actuarial science major.

**ACS 3990 - ACHIEVE 3 Actuarial Sciences (0)**

Guides students through the job search process within the actuarial sciences major. Generally offered during the fall semester.

Prerequisite(s): SBC 1990 and SBC 2990

**ACS 4001 - Review for MFE/3 Exam (1)**

Review of materials for the Society of Actuaries MFE/3 exam. Generally offered during the summer semester.

Prerequisite(s): FIN 4900

**ACS 4550 - Financial Mathematics (3)**

Fundamental concepts of financial mathematics. Topics include interest rate, annuities, amortization and sinking funds, bond valuation, and investment return. Replaces APM/ECN 450 Risk Management. Satisfies the university general education requirement for the capstone experience.

Pre/Corequisite(s): MTH 2554 with a grade of C or higher and (FIN 3720 or FIN 3550) with a grade of C or higher.

**ACS 4660 - Financial Economics (3)**

Topics include derivation of the binomial option pricing model as well as the Black-Scholes model, puts and call options, exotic options, Greek options and Monte Carlo valuation, capital structure and methods for firm financing.

Prerequisite(s): ACS 4550 with a grade of C or better.

**ACS 4905 - Special Topics in Actuarial Science (1 TO 3)**

Intensive study of a selected topic in actuarial sciences. May be repeated a total of three times as long as the topic is different. Generally offered during summer semester.

Prerequisite(s): ACS 4550

**APM 1663 - Mathematics for Information Technology (4)**

Systems of linear equations, matrix algebra and linear transformations. Elementary combinatorics, recursion and induction, sets and relations. Enrollment is limited to students in the Bachelor of Science in Information Technology program or with permission of the department. APM 1663 cannot be used to replace APM 2663 or MTH 2775. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications integration:

Completion of the general education requirement in the formal reasoning knowledge foundation area or in the natural science and technology knowledge exploration area.

Prerequisite(s): MTH 1222 with a grade of (C) or higher or MTH 1554 with a grade of (C) or higher.

APM 2555 - Introduction to Differential Equations with Matrix Algebra (4)

Introduction to ordinary differential equations, Laplace transforms, linear systems, matrices, vectors, independence, Eigenvalues and eigenvectors, and applications. Students cannot receive credit for both APM 2555 and APM 2559.

Prerequisite(s): MTH 1555 with a grade of (C) or higher.

APM 2559 - Introduction to Differential Equations (4)

Introduction to ordinary differential equations, solutions of exact, homogeneous, linear and separable differential equations first-order and second-order systems of differential equations, numerical methods, equilibrium solutions, stability and applications. Students cannot receive credit for both APM 2555 and APM 2559.

Prerequisite(s): MTH 1555 and MTH 2775, each with a grade of (C) or higher.

APM 2663 - Discrete Mathematics (4)

Concepts and methods of discrete mathematics with an emphasis on their application to computer science. Logic and proofs, sets and relations, algorithms, induction and recursion, combinatorics, graphs and trees.

Prerequisite(s): MTH 1555 with a grade of (C) or higher.

APM 3332 - Applied Matrix Theory (4)

Eigenvalues, eigenvectors and their applications, matrix calculus, linear differential equations, Jordan canonical forms, and quadratic forms. Time will also be spent on various computational techniques.

Prerequisite(s): MTH 2775 with grade of (C) or higher.

APM 3430 - Theory of Computation (4)

Formal models of computation, ranging from finite state automata to Turing machines. The computational models are used to discuss the languages recognized by these machines and address issues of computability. Identical with CSI 3430.

Prerequisite(s): APM 3610 with a grade of (C) or higher.

APM 3557 - Elements Partial Differential Equations (4)

Partial differential equations of physics, Fourier methods, Laplace transforms, orthogonal functions, initial and boundary value problems, and numerical methods.

Prerequisite(s): MTH 2554 with a grade of (C) or higher and APM 2555 with a grade of (C) or higher or APM 2559 with a grade of (C) or higher.

APM 3610 - Design and Analysis of Algorithms (4)

Computer algorithms, their design and analysis. Strategies for constructing algorithmic solutions, including divide-and-conquer dynamic programming and greedy algorithms. Development of algorithms for parallel and distributed architectures. Computational complexity as it pertains to time and space is used to evaluate the algorithms. A general overview of complexity classes is given. Identical with CSI 3610.

Prerequisite(s): CSI 2310 and APM 2663 with a grade of (C) or higher.

#### APM 4333 - Numerical Methods (4)

Propagation of errors, approximation and interpolation, numerical integration, methods for the solution of equations, Runge-Kutta and predictor-corrector methods. Offered fall of even-numbered years.

Prerequisite(s): MTH 2775 with a grade of (C) or higher, (APM 2555 with a grade of (C) or higher or APM 2559 with a grade of (C) or higher), and knowledge of a scientific programming language, or permission of the instructor.

#### APM 4334 - Applied Numerical Methods: Matrix Methods (4)

Systems of linear equations, Gaussian elimination, LU factorization, approximation and curve fitting, Eigenvalue problems, and nonlinear systems. Offered winter of odd-numbered years.

Prerequisite(s): MTH 2554 with a grade of (C) or higher, MTH 2775 with a grade of (C) or higher and knowledge of a scientific programming language, or permission of the instructor.

#### APM 4550 - Risk Management (3)

Review of interest rate theory, probability theory, and probability distributions. Development of a variety of actuarial and risk models such as contingent payment models; life contingency models; frequency, severity and aggregate claims models. Risk metrics such as standard deviation and Value at Risk (VAR) are explored. Identical with ECN 4500. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): FIN 3220, ACC 3010 and STA 4227, each with a grade of (C) or higher.

#### APM 4555 - Intermediate Ordinary Differential Equations (4)

Review of elementary techniques, existence and uniqueness theory, series methods, systems of equations, oscillation and comparison theorems, Sturm-Liouville theory, stability theory and applications.

Prerequisite(s): (APM 2555 with a grade of (C) or higher or APM 2559 with a grade of (C) or higher) and MTH 4552 with a grade of (C) or higher.

#### APM 4663 - Graph Theory and Combinatorial Mathematics (4)

Introduction to combinatorics. Topics include techniques of enumeration, fundamental concepts of graph theory, applications to transport networks, matching theory and block design. Offered every fall.

Prerequisite(s): MTH 2775 with a grade of (C) or higher and APM 2663 with a grade of (C) or higher.

#### APM 4777 - Computer Algebra (4)

The mathematics and algorithms for symbolic computation. Includes theory of algebraic extensions, modular and p-adic methods, Groebner bases, factorization and zeros of polynomials, solutions to systems of polynomial equations, applications to automatic geometric theorem proving and closed form solutions to differential equations.

Prerequisite(s): MTH 2775 with a grade of (C) or higher and knowledge of a scientific computer programming language, or permission of instructor.

#### APM 4905 - Special Topics (2 OR 4)

Advanced study of a selected topic in applied mathematics. May be repeated for additional credit.

Prerequisite(s): permission of instructor.

#### APM 4996 - Independent Study (2 OR 4)

Reading or research on some topic in applied mathematics. May be repeated for additional credit.

Prerequisite(s): Permission of department.

#### MOR 2442 - Elementary Models in Operations Research (4)

Basic techniques in deterministic modeling, Linear, combinatorial, and nonlinear models of real life applications are constructed, solved with optimization software and critically analyzed. Substantial writing component.

Prerequisite(s): MTH 1555 with a grade of (C) or higher.

#### MOR 3330 - Engineering Operations Research (3)

Introduction to operations research models used in decision making and system performance evaluation. Topics include linear programming including simplex method and duality theory, integer linear programming, the assignment and transportation problems, network flows, and dynamic programming. Cross-listed with ISE 3330.

Prerequisite(s): MTH 1555 with a grade of (C) or higher and a 2000 level APM/MTH class.

#### MOR 3331 - Mathematical Models in Operations Research (1)

Operations research models of real life applications are constructed, solved with optimization software and critically analyzed. Substantial writing component. To be taken with MOR 3330.

Corequisite(s): MOR 3330

#### MOR 4554 - Linear and Integer Optimization (4)

Topics include linear and integer programming models, simplex method, complementary slackness, duality, sensitivity analysis, interior point methods systems of alternatives and branch-price-cut.

Prerequisite(s): MTH 2554 with a grade of (C) or higher and MTH 3002 with a grade of (C) or higher.

#### MOR 4555 - Nonlinear Optimizations (4)

Topics include nonlinear programming, convex programming, unconstrained optimization, first and second order conditions, constrained optimization, KKT conditions, quadratic programming and

separable convex programming.

Prerequisite(s): MOR 4554 with a grade of (C) or higher.

#### MOR 4556 - Stochastic Models in Operations Research (4)

Stochastic processes including Markov chains with applications to the development and analysis of queuing models. Further topics drawn from such areas as reliability, decision analysis, stochastic inventory control and simulation.

Prerequisite(s): MTH 2554 with a grade of (C) or higher and MTH 2775 with a grade of (C) or higher and STA 2226 with a grade of (C) or higher.

#### MTE 2110 - Mathematics for Elementary Education I (4)

Mathematical problem solving; logic and sets; whole numbers and operations, number theory, extensions to integers, fractions, decimals, percents, real numbers; proportional reasoning.

Prerequisite(s): MTH 0662 with a grade of (C) or higher or placement.

#### MTE 2111 - Mathematics for Elementary Education II (4)

Introduction to probability and statistics; concepts from two- and three-dimensional geometry, constructions, geometric reasoning, congruence, similarity, area, volume, isometries, size transformations. Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

Prerequisite(s): MTE 2110 with a grade of (C) or higher.

#### MTE 3118 - Advanced Topics in Mathematics for Elementary Education (4)

Advanced study of topics in MTE 2110 and MTE 2111, with an emphasis on the Common Core Standards of Mathematical Practice.

Prerequisite(s): MTE 2111 and (MTH 1441 or [MTH 1331 and MTH 1332]), each with a grade of (C) or higher.

#### MTE 4110 - Elementary School Mathematics and the Computer (4)

An introduction to creative uses of computers in teaching mathematics in the elementary school, including program design, machine architecture, and the BASIC and LOGO computing languages.

Enrollment is limited to elementary education majors.

Prerequisite(s): MTE 2111 and STA 2220 with a grade of (C) or higher.

#### MTE 4905 - Special Topics (2 OR 4)

Study of mathematical topics particularly relevant for prospective teachers of elementary and middle school mathematics. May be repeated for additional credit.

Prerequisite(s): MTE 2111 with a grade of (C) or higher or permission of instructor.

#### MTH 0661 - Elementary Algebra (4)

Order of operations; algebra of exponents; variable expressions; linear equations and inequalities in one variable; graphing and lines; linear systems of equations in two and three variables; polynomial arithmetic; factoring; solving equations by factoring; applications and problem solving.

#### MTH 0662 - Intermediate Algebra (4)

Rational expressions; radicals and rational exponents; solving rational and radical equations, quadratic equations; introduction to functions and their graphs; exponential and logarithmic functions; applications and problem solving.

Prerequisite(s): MTH 0661 with a grade of (C) or higher or placement exam.

#### STA 2220 - Introduction to Statistical Concepts and Reasoning (4)

Statistical ideas and thinking relevant to public policy, quality improvement, and physical and social sciences. Data collection and presentation; association; normal distribution; probability and simulation; and confidence intervals, p-values, and hypothesis testing. Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

Prerequisite(s): MTH 0662 with a grade of (C) or higher or placement.

#### STA 2221 - Introduction to Statistical Methods (4)

Introduction to statistical thinking and applications to industrial and similar processes. Descriptive statistics, distributions, and probability models useful in process control and systems reliability; confidence intervals, hypothesis testing, regression, and basic experimental design. Statistical concepts to be reinforced with case studies promoting problem solving skills and statistical thinking. Mathematics and statistics majors cannot use STA 2221 to replace STA 2226.

Prerequisite(s): MTH 1221 with a grade of (C) or higher; or MTH 1441 with a grade of (C) or higher; or MTH 1331 and MTH 1332, each with a grade of (C) or higher; or placement.

#### STA 2222 - Statistical Methods for Biology (4)

Introduction to statistical methods for students in biology and other laboratory sciences. Basic principles of experimental design and data collection. Descriptive statistics, probability models, confidence intervals, hypothesis testing, two- and multi-sample comparisons, regression models, categorical data, nonparametric methods. Mathematics or statistics majors cannot use STA 2222 to replace STA 2226. Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

Prerequisite(s): MTH 1441 with a grade of (C) or higher; or MTH 1331 and MTH 1332, each with a grade of (C) or higher; or placement.

#### STA 2226 - Applied Probability and Statistics (4)

Introduction to probability and statistics as applied to the physical, biological and social sciences and to engineering. Applications of special distributions and nonparametric techniques. Regression analysis and analysis of variance. Satisfies the university general education requirement in the formal reasoning knowledge foundation area.

Pre/Corequisite(s): MTH 1222 with a grade of (C) or higher or MTH 1554 with a grade of (C) or higher.

**STA 4002 - Applied Linear Models I (4)**

Basic results from probability and statistics, linear regression, model testing and transformations, matrix methods in multiple regression, polynomial regression, indicator variables, basics of experimental design, one-way ANOVA with fixed and random effects. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): STA 2226, and APM 2555 or APM 2559 or MTH 2775, each with a grade of (C) or higher, or permission of instructor.

**STA 4003 - Applied Linear Models II (4)**

Multi-way ANOVA, randomized block and Latin square designs, incomplete blocks, factorial and fractional factorial designs, confounding, response surface methods, random and mixed models, introduction to generalized linear models.

Prerequisite(s): STA 4002 with a grade of (C) or higher, or permission of instructor.

**STA 4224 - Analysis of Categorical Data (4)**

Analysis techniques for data obtained by counting responses in different categories. Discrete distributions, goodness of fit, contingency tables, association and agreement measures, log linear and logit models.

Prerequisite(s): STA 4002 with a grade of (C) or higher, or permission of instructor.

**STA 4225 - Elements of Stochastic Processes (4)**

Random walk models, Markov chains and processes, birth and death processes, queuing processes, diffusion processes and non-Markov processes.

Prerequisite(s): STA 4227 with a grade of (C) or higher or permission of instructor.

**STA 4226 - Nonparametric Methods (4)**

Permutation and rank tests for location and scale, bootstrapping power of competing tests, confidence intervals, nonparametric regression and analysis of variance methods, density estimation.

Pre/Corequisite(s): STA 4002 with a grade of (C) or higher or STA 4227 with a grade of (C) or higher or permission of instructor.

**STA 4227 - Introduction to Mathematical Statistics I (4)**

The distribution of random variables, conditional probability and stochastic independence, special distributions, functions of random variables.

Prerequisite(s): STA 2226, MTH 2554, MTH 2775, each with a grade of (C) or higher.

**STA 4228 - Introduction to Mathematical Statistics II (4)**

Interval estimation, sufficient statistics and completeness, point estimation, tests of hypothesis and analysis of variance. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): STA 4227 with a grade of (C) or higher.

**STA 4330 - Time Series I (4)**

Introduction to and characteristics of autoregressive moving average models; autocorrelation functions, modeling, estimation and forecasting; deterministic and stochastic trends and seasonality; forecasting from regression, spectral analysis, multivariate models, GARCH models, applications to actuarial, financial, economic, and other data sets.

Prerequisite(s): STA 4227, and STA 4002 or ECN 4050, each with a grade of (C) or higher.

**STA 4905 - Special Topics (2 OR 4)**

Advanced study of a selected topic in statistics. May be repeated for additional credit.

Prerequisite(s): permission of instructor.

**STA 4996 - Independent Study (2 OR 4)**

Reading or research on some statistical topic. May be repeated for additional credit.

Prerequisite(s): permission of department.

## Department of Modern Languages and Literatures

372 O'DOWD HALL

(248) 370-2060

Fax: (248) 370-4208

Chairperson: Stephen Filler

Distinguished professors emeriti: Jack R. Moeller, Munibur Rahman, Amitendranath Tagore

Professors emeriti: John W. Barthel (German), Dolores Burdick (French), Carlo Coppola (Hindi-Urdu), Renate Gerulaitis (German), David Jaymes (French), Barbara Mabee (German), Frances Meuser (Spanish), Estela Moreno-Mazzoli (Spanish), Munibur Rahman (Hindi-Urdu), Amitendranath Tagore (Chinese), Carmen Urla (Spanish)

Professor: Christopher Clason (German), Stacey L. Hahn (French)

Associate professors: Adolfo Campoy-Cubillo (Spanish), Hsiang-Hua Melanie Chang (Chinese), Stephen Filler (Japanese), Mary Hartson (Spanish), Akiko Kashiwagi-Wood (Japanese), Jennifer Law-Sullivan (French), Daniel Lorca (Spanish), Aldona Bialowas Pobutsky (Spanish), Maria Cecilia Saenz-Roby (Spanish)

Assistant professors: Rebecca Josephy (French), Mingming Liu (Chinese), Raquel Prieta (Spanish), Anja Wieden (German)



Visiting assistant professors: Juan Martinez-Millan (Spanish), Robert E. Mottram (German), Artem Vorobiev (Japanese)

Adjunct associate professor: Malik Balla (Arabic)

Special instructors: Dikka Berven (French), Julia Urla (Spanish)

Special lecturers: Yukiko Aigbedo (Japanese), Elizabeth Cardozo Anderson (Spanish), Bernadette Donohue (French), Jamila Doppke (French), Fátima Ferreira (Spanish), Tara Gardner (Spanish), Masako Hirowawa (Japanese), Xue Jiang (Chinese), Yun Anoop Lee (Chinese), Dunya Mikhail (Arabic), Angela Milliken (Spanish), Caterina Pieri (Italian), Michele Plattenberger (Japanese), Maria Ploof (Spanish), José Saenz (Spanish), Karliana Sakas (Spanish), Maissa Saker (French), Cornelia Schaible (German), Mayra Schmalzried (Spanish), Emily Stow (French & Spanish), Grzegorz Tokarski (Italian), Ulrike Treder (German), Holly Walker-Cote´ (Spanish)

Lecturers: Shubhangi Dabak (German), Tanita Ey (German), Nira Lev (Hebrew), Lisa Montes (Spanish), Christine Mouawad-Azzi (French), Dario Puna (Spanish), Robert Thompson (Japanese), Eyda Vaughn (Spanish), Han Zhang (Chinese)

Chief adviser: Jennifer Law-Sullivan

The Department of Modern Languages and Literatures offers programs leading to the Bachelor of Arts degree. The modern languages curriculum is designed to help students acquire competence in the language of a given country or countries and, through the study of literature and civilization, to acquaint them with the cultural background of the country or countries. It also prepares students for graduate work, teaching and a broad range of careers. The department shares a computer lab in which students have access to a variety of language-related activities supporting their classroom learning experiences.

Students may wish to investigate the advantages of combining a knowledge of foreign languages and cultures with competence in other fields. Study of a foreign language and culture is an important asset for students with other majors. Knowledge of a foreign language also enhances the study of other disciplines, such as anthropology, art, cinema studies, education, English, health sciences, history, integrative studies, liberal studies, linguistics, music, philosophy, political science, pre-law, religious studies, sociology, theatre, and writing and rhetoric, and others.

#### Placement Examinations

The Department of Modern Languages and Literatures offers language placement testing in Chinese, French, German, Italian and Spanish year round. Students can take the test using a personal computer or at computer labs in Kresge Library in the Oakland Center or in the department's computer lab. The

test in Chinese, French, German, Italian and Spanish can be accessed on the website (password: grizzlies1). For placement in the other languages, please contact the department. Students who enter Oakland University with a background in Arabic, Chinese, French, German, Italian, Japanese or Spanish must take the appropriate placement test. In case of questions concerning proper placement, students should consult with the department advisers, (248) 370-2060.

#### Admission to Major Standing

To be eligible for a major in one or more foreign languages, a student must be admitted to major standing by the Department of Modern Languages and Literatures. A student should apply for major standing at the department office, normally after having attained 56 credits and no later than three semesters before graduation. A student planning to graduate with a Bachelor of Arts degree will be admitted to major standing after completion of 8 credits of language or literature at the 3000 level with a minimum grade point average of 2.80.

#### Departmental Honors and Scholarships

Departmental honors may be awarded to graduating majors for outstanding achievements. In order to be eligible, students must submit for faculty review a writing project, usually either a research paper or a translation of superior quality, completed in a 4000-level course. In addition, students must maintain a grade point average in major courses of at least 3.60 and have taken at least 16 credits of the major at Oakland University. Qualified students who wish to be nominated should contact a full-time faculty member in their major at the start of the semester in which they will graduate.

The DMLL offers a variety of scholarships that apply to both majors and minors. The Don R. Iodice Grant-in-Aid for Foreign Travel is available for majors who will return to Oakland University for a minimum of two full semesters. The Carmine Rocco Linsalata Memorial Scholarship offers one stipend to an incoming student who intends to major in a foreign language and another to a major with a minimum of 28 credits. The Jack Moeller Gift Fund offers stipends to German majors for study at Oldenburg and for study in German courses at Oakland University. Also available are the Plattenberger Study Abroad Scholarship, the Rosement Scholarship for China Immersion, the Robert and Genevieve Simmons Scholarship for Study in Germany, the Holzbock Humanities Scholarship, and the Chinese Language Book Award. For information, see [www.oakland.edu/scholarships](http://www.oakland.edu/scholarships).

#### Study Abroad

Students are encouraged to take advantage of opportunities to study abroad. Students should consult departmental advisers for information on a variety of foreign study opportunities. Students wishing to transfer credits from study abroad programs must arrange for that prior to their departure. Chinese language students interested in studying abroad should contact Professor Hsiang-Hua Chang.

Students majoring or minoring in French wishing to participate in the exchange program with the University of Orléans in France should contact Professor Stacey Hahn. Students majoring or minoring in German wishing to participate in the exchange program with the University of Oldenburg in Germany or with the Kapito Language Institute in Munster, Germany, should contact Professor Anja Wieden. Students may also participate in the Junior Year in Munich Program with Wayne State University.

Students interested in studying in Angers, France, should contact Professor Dikka Berven.

Japanese language students interested in studying in Japan should contact Professor Stephen Filler.

Students majoring in Spanish may participate in Study Abroad Programs in Spain and Argentina, administered by the Director of International Education, 160E North Foundation Hall. For further information on these programs, and on other study abroad opportunities, see the International Studies Program section of the catalog.

#### Certificate in Teaching English as a Second Language

Students may earn a certificate in teaching English as a second language (ESL) by completing the following courses:

LIN 2201, ALS 4418 and ALS 4960 or their equivalents. In any case, a student must complete 12 credits in linguistics courses at OU to obtain this certificate. Students interested in earning this certificate should contact an adviser in the Department of Linguistics.

#### Translation Program

Students qualify for a translation certificate by completing language courses numbered 3550, 4550 and 4800. A 4800 course does not apply toward the major.

#### Concentration in French Studies

Coordinator: Stacey Hahn

The concentration in French studies provides an interdisciplinary understanding of French culture for students not majoring in French. Courses in French language, literature, civilization, art history and history are required. Students should refer to the Other Academic Options section for concentration requirements.

The department offers selected courses from this catalog as warranted by student needs and availability of faculty. Specific offerings for each term may be found in the Schedule of Classes. Modern Language courses at the 1140-level satisfy the general education foreign language and culture requirement. Students who place into 1150, 2140 or 2150 may use the credits to satisfy the general education foreign language and culture area.

## Programs

- Chinese Language and Civilization Minor
- Chinese Minor
- French Language and Literature Minor
- French Language and Literature, B.A.
- French Minor
- French Studies Concentration
- German Language and Literature Minor
- German Language and Literature, B.A.
- German Minor
- German Studies Minor
- German with a Concentration in German Studies, B.A.
- Italian Minor
- Japanese Language and Civilization Minor
- Japanese Language and Literature Minor
- Japanese Language and Literature, B.A.
- Japanese Minor
- Latin American Language and Civilization, B.A.
- Modern Language, Modified, with Select Majors and Minors
- Modern Language, Secondary Teaching Minors
- Modern Languages and Literatures K-12
- Spanish Language and Literature Minor
- Spanish Language and Literature, B.A.
- Spanish Minor
- Translation Certificate, Modern Languages
- Two Modern Languages, B.A.

### Chinese Language and Civilization Minor

Requirements for the liberal arts minor in Chinese language and civilization

1. A minimum of 20 credits at the 2000 level and above, including

CHE 3160 - Chinese Conversation (2)

CHE 3180 - Chinese Composition (2)

CHE 3510 - Chinese Civilization (4) \*

2. Two co-requisite courses

IS 2100 - Perspectives on China (4)

and one from the following

IS 3900 - Special Topics in International Studies (4) (when the topic is China)

LIT 1000 - Introduction to Asian Literature (4)

LIT 2905 - Studies in Foreign Film (4) (when the topic is Chinese or East/West)

LIT 3905 - Topics in Foreign Literature (4) (when the topic is Chinese literature)

#### Note

At least 12 credits of those required for the minor in Chinese language and civilization must be taken at Oakland University. CHE 4800 - Independent Translation Project does not apply toward the minor.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **Chinese Minor**

The requirement is a minimum of 20 credits at the 2000 level and above, including:

CHE 3140 - Chinese Grammar and Reading (4)

CHE 3160 - Chinese Conversation (2)

CHE 3180 - Chinese Composition (2)

CHE 4080 - Advanced Chinese Conversation and Reading (4)

#### Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University. CHE 4800 - Independent Translation Project does not apply toward the minor.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **French Language and Literature Minor**

Requirements for the liberal arts minor in French language and literature

A student planning a minor in the department must apply in the department office, 372 O'Dowd Hall, after consultation with an adviser in the Department of Modern Languages and Literatures.

A minimum of 20 credits at the 2000 level and above, including

FRH 3700 - Introduction to French and Francophone Cinema and Literature (4)

FRH 3800 - Survey of French Literature (4)

Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University.

Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **French Language and Literature, B.A.**

Requirements for the liberal arts major in French language and literatures, B.A. program

1. A minimum of 36 credits at the 3000 and 4000 levels in language, culture, and literature, including

FRH 3120 - French Phonetics and Listening Comprehension (2)

FRH 3140 - French Grammar Review (4)

FRH 3160 - French Conversation (2)

FRH 3180 - French Composition (2)

FRH 3700 - Introduction to French and Francophone Cinema and Literature (4)

FRH 3800 - Survey of French Literature (4)

FRH 4080 - Advanced French Conversation (2)

Two 4000 level literature courses (8)

Two electives at the 3000-4000 level (8)

2. Two corequisite courses

FRH 3510 - French Civilization (4)

LIT 1810 - European Literature I (4) or LIT 1820 - European Literature II (4)

Additional program information

Students planning graduate work are strongly urged to study a second foreign language recommended by the department. At least 16 credits of those required for the major in any of the languages must be taken at Oakland University.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### **French Minor**

Requirements for the liberal arts minor in French

A minimum of 20 credits at the 2000 level and above, including

FRH 3140 - French Grammar Review (4)

FRH 3160 - French Conversation (2)

FRH 3180 - French Composition (2)

and one of the following

FRH 3510 - French Civilization (4)

FRH 3550 - Translation into English (4)

FRH 3570 - French Business Communication (4)

FRH 4080 - Advanced French Conversation (2)

FRH 4550 - Translation into French (4)

#### Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **French Studies Concentration**

Coordinator: Stacey Hahn (French)

The concentration in French studies provides an interdisciplinary understanding of French culture for students not majoring in French. Courses in French language, literature, civilization, art history and history are required.

In addition to providing students with a well-rounded background in the area of French studies, this concentration is also useful to students planning graduate work in French history or art history.

The concentration offers selected courses from this catalog as warranted by student needs and availability of faculty. Specific offerings for each term may be found in the Schedule of Classes.

The concentration requires completion of a minimum of 28 credits, including 8 credits in French language and 20 credits in courses conducted in English as follows:

1. Eight credits of French language taken at Oakland University

Students must achieve minimally at the 2150 level. Students who place into FRH 2150 will take FRH 2150 and FRH 3140; if they place higher than FRH 2150, they will take FRH 3140 plus 4 credits in a higher level course.

2. Eight credits from the following courses

LIT 1810 - European Literature I (4)

LIT 1820 - European Literature II (4)

LIT 2905 - Studies in Foreign Film (4)

ML 3900 - Advanced Study of Topics Related to Foreign Languages and Cultures (2 OR 4)

LIT 3905 - Topics in Foreign Literature (4) when available

The courses listed above are conducted in English.

3. Eight credits from the following history courses

HST 3370 - Europe in the Seventeenth Century (4)

HST 3375 - Europe in the Eighteenth Century (4)

HST 3390 - Early Modern France (4)



Other topic courses in history may be substituted with permission of the concentration coordinator.

4. Four credits in art and art history selected from

AH 3230 - Gothic Art (4)

AH 3410 - Nineteenth-Century Art (4)

AH 3420 - Modern Art 1900-1960 (4)

Other topic courses in art history may be substituted with permission of the concentration coordinator.

5. Corequisite course selected from the following

HST 1300 - Introduction to European History Before 1715 (4)

HST 1400 - Introduction to European History Since 1715 (4)

Either course satisfies the general education requirement in the western civilization knowledge exploration area.

Additional information

This concentration does not constitute a major. Students must elect a major from those offered by the university. Interested students should develop a program in consultation with the coordinator.

Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

**German Language and Literature Minor**

Requirements for the liberal arts minor in German language and literature

A student planning a minor in the department must apply in the department office, 372 O'Dowd Hall, after consultation with an adviser in the Department of Modern Languages and Literatures.

A minimum of 20 credits at the 2000 level and above, including

GRM 3710 - Introduction to the Study of German Literature (4)

GRM 3810 - Great Works in German Literature (4)

Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **German Language and Literature, B.A.**

Requirements for the liberal arts major in German language and literatures, B.A. program

A minimum of 36 credits at the 3000 and 4000 levels in language, culture, and literature, including

- GRM 3140 - Adv GRM Grammar/Texts/Contexts (4)
- GRM 3160 - German Conversation (2)
- GRM 3180 - German Composition (2)
- GRM 3710 - Introduction to the Study of German Literature (4)
- GRM 3810 - Great Works in German Literature (4)
- GRM 4080 - Advanced German Conversation (4)
- Two 4000 level literature courses (8) (including GRM 4970)
- Two electives at the 3000-4000 level (8)

Two corequisite courses

- GRM 4400 - German Culture II (4)
- LIT 1810 - European Literature I (4) or LIT 1820 - European Literature II (4)

#### Additional program information

Students planning graduate work are strongly urged to study a second foreign language recommendation by the department. At least 16 credits of those required for the major in any of the languages must be taken at Oakland University.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **German Minor**

Requirements for the liberal arts minor in German language

A minimum of 20 credits at the 2000 level and above, including

GRM 3140 - Adv GRM Grammar/Texts/Contexts (4)

GRM 3160 - German Conversation (2)

GRM 3180 - German Composition (2)

And one of the following courses

GRM 3400 - German Culture I (4)

GRM 3550 - Translation: German (4)

GRM 4080 - Advanced German Conversation (4)

GRM 4550 - Translation into German (4)

GRM 4570 - Business German (4)

#### Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **German Studies Minor**

Requirements for the liberal arts minor in German studies

Students must complete a minimum of 24 credits as follows:

The courses required include

GRM 3140 - Adv GRM Grammar/Texts/Contexts (4)  
 GRM 3160 - German Conversation (2)  
 GRM 3180 - German Composition (2)  
 GRM 3400 - German Culture I (4)  
 GRM 4080 - Advanced German Conversation (4)  
 GRM 4400 - German Culture II (4)  
 LIT 1810 - European Literature I (4) or LIT 1820 - European Literature II (4)

#### Note

At least 12 credits of those required for the minor in German Studies must be taken at Oakland University.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **German with a Concentration in German Studies, B.A.**

Requirements for the modified liberal arts major in German with a concentration in German studies, B.A. program

Students must complete a minimum of 24 credits in German beyond the second year and 24 credits in corequisite courses.

The German courses required are

GRM 3140 - Adv GRM Grammar/Texts/Contexts (4)  
 GRM 3160 - German Conversation (2)  
 GRM 3180 - German Composition (2)  
 GRM 3400 - German Culture I (4)  
 GRM 3550 - Translation: German (4)  
 GRM 3710 - Introduction to the Study of German Literature (4) or GRM 3810 - Great Works in German Literature (4)  
 GRM 4080 - Advanced German Conversation (4)  
 GRM 4400 - German Culture II (4)

Corequisite courses include

AH 3630 - German Art (4)

LIT 1810 - European Literature I (4) or LIT 1820 - European Literature II (4)  
 MUS 1000 - An Introduction to Music (4)  
 PS 3010 - Western Political Thought II (4)

Plus two from among the following

AH 3320 - Renaissance Art in Northern Europe (4)  
 HST 3345 - The Reformation (4)  
 HST 3400 - Europe since 1914 (4)  
 HST 3480 - Germany since 1740 (4)

Note

At least 16 credits of those required for the major must be taken at Oakland University.

Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **Italian Minor**

Requirements for the liberal arts minor in Italian

A minimum of 20 credits at the 2000 level and above, including

IT 2140 - Second Year Italian I (4)  
 IT 2150 - Second Year Italian II (4)  
 IT 3140 - Italian Grammar Review (4)  
 IT 3160 - Italian Conversation and Composition (4)

and one of the following

IT 3510 - Italian Civilization (4)  
 IT 3570 - Italian Business Communication (4)

Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University.

Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for IT 1140 (or transfer course equivalent) if taken after successful completion of IT 1150.

### **Japanese Language and Civilization Minor**

Requirements for the liberal arts minor in Japanese language and civilization

Students must complete 20 credits at the 2000 level and above, including

JPN 3140 - Japanese Grammar and Reading (4)

JPN 3160 - Japanese Conversation (4)

JPN 3180 - Japanese Composition (4)

JPN 3510 - Japanese Civilization (4)

Corequisite course

IS 2200 - Perspectives on Japan (4) (required in addition to the 20 credits in Japanese)

Note

At least 12 credits of those required for the minor in Japanese language and civilization must be taken at Oakland University.

Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **Japanese Language and Literature, B.A.**

Requirements for the liberal arts major in Japanese language and literatures, B.A. program

1. A minimum of 36 credits at the 3000 and 4000 levels in language, culture and literature, including

JPN 3140 - Japanese Grammar and Reading (4)

JPN 3180 - Japanese Composition (4)

JPN 3550 - Translation: Japanese (4)

JPN 3700 - Introduction to Japanese Literature (4)

JPN 4200 - Japanese Literature - Nineteenth and Twentieth Centuries (4)

and four courses from

JPN 3150 - Japanese Texts and Contexts (4)

JPN 3160 - Japanese Conversation (4)

JPN 3510 - Japanese Civilization (4)  
 JPN 4080 - Advanced Japanese Conversation and Reading (4)  
 JPN 4550 - Advanced Translation from English to Japanese (4)  
 JPN 4570 - Business Japanese (4)

## 2. Two corequisite courses

IS 2200 - Perspectives on Japan (4)

and one from the following

IS 3900 - Special Topics in International Studies (4) (when the topic is Japan)  
 AH 3010 - Japanese Art (4)  
 HST 3870 - Origins of Modern Japan, 1568-1912 (4)  
 HST 3875 - Twentieth-Century Japan (4)  
 CIN 3905 - Topics in Film (4) (when the topic is Japanese cinema)  
 LIT 1000 - Introduction to Asian Literature (4)  
 LIT 2905 - Studies in Foreign Film (4) (when the topic is Japanese cinema)  
 LIT 3905 - Topics in Foreign Literature (4) (when the topic is Japanese literature)

## Additional program information

Students planning graduate work are strongly urged to study a second foreign language recommendation by the department. At least 16 credits of those required for the major in any of the languages must be taken at Oakland University.

## Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

## Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

**Japanese Language and Literature, B.A.**

Requirements for the liberal arts major in Japanese language and literatures, B.A. program

1. A minimum of 36 credits at the 3000 and 4000 levels in language, culture and literature, including

JPN 3140 - Japanese Grammar and Reading (4)

JPN 3180 - Japanese Composition (4)

JPN 3550 - Translation: Japanese (4)

JPN 3700 - Introduction to Japanese Literature (4)

JPN 4200 - Japanese Literature - Nineteenth and Twentieth Centuries (4)

and four courses from

JPN 3150 - Japanese Texts and Contexts (4)

JPN 3160 - Japanese Conversation (4)

JPN 3510 - Japanese Civilization (4)

JPN 4080 - Advanced Japanese Conversation and Reading (4)

JPN 4550 - Advanced Translation from English to Japanese (4)

JPN 4570 - Business Japanese (4)

2. Two corequisite courses

IS 2200 - Perspectives on Japan (4)

and one from the following

IS 3900 - Special Topics in International Studies (4) (when the topic is Japan)

AH 3010 - Japanese Art (4)

HST 3870 - Origins of Modern Japan, 1568-1912 (4)

HST 3875 - Twentieth-Century Japan (4)

CIN 3905 - Topics in Film (4) (when the topic is Japanese cinema)

LIT 1000 - Introduction to Asian Literature (4)

LIT 2905 - Studies in Foreign Film (4) (when the topic is Japanese cinema)

LIT 3905 - Topics in Foreign Literature (4) (when the topic is Japanese literature)

Additional program information

Students planning graduate work are strongly urged to study a second foreign language recommendation by the department. At least 16 credits of those required for the major in any of the languages must be taken at Oakland University.

Additional Information



In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **Japanese Minor**

Requirements for the liberal arts minor in Japanese language

The requirement is a minimum of 20 credits at the 2000 level and above, including

JPN 3140 - Japanese Grammar and Reading (4)

JPN 3180 - Japanese Composition (4)

Japanese must include

And one of the following courses

JPN 3510 - Japanese Civilization (4)

JPN 3550 - Translation: Japanese (4)

JPN 4080 - Advanced Japanese Conversation and Reading (4)

JPN 4550 - Advanced Translation from English to Japanese (4)

JPN 4570 - Business Japanese (4)

#### Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **Latin American Language and Civilization, B.A.**

Requirements for the liberal arts major in Latin American language and civilization, B.A. program

1. A minimum of 28 credits in Spanish language and literature courses including

SPN 3140 - Spanish Grammar Review (4)

SPN 3170 - Intermediate Spanish Conversation and Composition (4)

SPN 3500 - Latin American Civilization (4)

SPN 3800 - Introduction to Spanish-American Literature (4)

SPN 4080 - Advanced Spanish Conversation and Composition (4)

SPN 4880 - Spanish-American Literature before 1888 (4) or SPN 4890 Spanish-American Literature after 1888 (4)

4 elective credits at the 3000-4000 level (4)

2. A minimum of 12 credits in Latin American studies courses

These courses should be chosen in consultation with the faculty adviser.

#### Note

At least 16 credits of the Spanish courses required for the major in Latin American language and civilization must be taken at Oakland University.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **Modern Language, Modified, with Select Majors and Minors**

Requirements for the modified liberal arts major in a modern language with majors or minors in economics, business, international management, engineering, computer science or computing, B.A. program

Modified majors are available in French, German, Japanese and Spanish with majors or minors in economics, general business, international management, engineering, computer science or computing. (Students with majors or minors in one of the other professional schools may petition the department for a modified major.) The requirement is a minimum of 24 credits at the 3000-4000 level. Students should note the credit hour restriction for the minors in economics or business. At least 16 credits of those required for the modified liberal arts major in a modern language must be taken at Oakland University.

### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **Modern Language, Secondary Teaching Minors**

Requirements for the secondary teaching minor in a modern language

The requirement for a secondary teaching minor in a modern language is a minimum of 20 credits in one language.

### Chinese requires

- CHE 3140 - Chinese Grammar and Reading (4)
- CHE 3160 - Chinese Conversation (2)
- CHE 3180 - Chinese Composition (2)
- CHE 3510 - Chinese Civilization (4)
- CHE 3550 - Translation: Chinese (4)
- CHE 4080 - Advanced Chinese Conversation and Reading (4)

### French requires

- FRH 3140 - French Grammar Review (4)
- FRH 3160 - French Conversation (2)
- FRH 3180 - French Composition (2)
- FRH 3510 - French Civilization (4)
- FRH 3700 - Introduction to French and Francophone Cinema and Literature (4)

Four elective credits at the 3000-4000 level

#### German requires

GRM 3140 - Adv GRM Grammar/Texts/Contexts (4)  
 GRM 3160 - German Conversation (2)  
 GRM 3180 - German Composition (2)  
 GRM 3710 - Introduction to the Study of German Literature (4)  
 GRM 4400 - German Culture II (4)  
 Four elective credits at the 3000-4000 level

#### Japanese requires

JPN 3140 - Japanese Grammar and Reading (4)  
 JPN 3180 - Japanese Composition (4)  
 JPN 3510 - Japanese Civilization (4)  
 JPN 3700 - Introduction to Japanese Literature (4)  
 Four elective credits at the 3000-4000 level

#### Spanish requires

SPN 3140 - Spanish Grammar Review (4)  
 SPN 3170 - Intermediate Spanish Conversation and Composition (4)  
 SPN 3510 - Spanish Civilization (4)  
 SPN 3800 - Introduction to Spanish-American Literature (4)  
 SPN 4080 - Advanced Spanish Conversation and Composition (4)

#### Note

At least 12 credits of those required for the secondary teaching minor in a modern language must be taken at Oakland University.

#### Additional Information

An Oral Proficiency Interview (OPI) score of advanced-low (intermediate-high for Japanese and Chinese) and SED 4100, Methods of Teaching Foreign Language are required. After September 1, 2017, an official ACTFL OPPI rating will be required. Students must consult with the appropriate advisor for teaching majors and minors in the department. For complete details on other requirements, including courses in education, consult the Department of Teacher Development and Educational Studies section in the School of Education and Human Services portion of this catalog.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **Modern Languages and Literatures K-12**

The Secondary Teacher Education Program (STEP) at Oakland University is an extended program of study leading to certification. Students in this program must complete the requirements for a B.A. degree in the College of Arts and Sciences. The department offers the following liberal arts majors as part of the secondary teacher education program: French, German, Japanese and Spanish. Generally, eligibility for admission to the STEP requires a GPA of 3.00 in both the major and minor, and an overall GPA of 2.80. No single major or minor course grade may be below C.

An Oral Proficiency Interview (OPI) score of advanced-low (intermediate-high for Chinese and Japanese) is also required. After September 1, 2017, an official ACTFL OPI rating will be required. Second undergraduate degree candidates completing major and/or minors may be required to complete additional course work at Oakland University beyond the stated minimums.

Complete the French, German, Japanese or Spanish B.A. major requirements

Complete the following sequence of undergraduate course work in education including

- SED 3000 - Introduction to Secondary Education (4) (must be completed prior to STEP application)
- DLL 4197 - Digital Technologies in the Secondary Classroom (4) or DLL 4196 Digital Technologies in the Elementary Classroom (4) (must be completed prior to the final internship semester)
- RDG 4238 - Teaching Reading in the Content Areas (4) (must be completed prior to the final internship semester)
- FE 3010 - Educational Psychology for K-12 Educators (4) (must be completed prior to the final internship semester)
- EED 3001 - Managing the Classroom Community for U.S. Diverse Learners (4)
- SED 4100 - ST: Teaching Secondary in the Minor Methods (3 OR 4) (must be completed prior to the final internship semester)
- SE 4401 - Introduction to Students with Special Needs (4)

Also required

- EED 4240 - Foreign Language Teaching Methods in Elementary and Middle School (3)
- SED 4200 - ST: Teaching Secondary of the Major Methods (3 OR 4)
- SED 4951 - Internship I: Pre-Student Teaching (4)
- SED 4952 - Internship in Secondary Education (8)

Additional program information

Further details on program and admission requirements and procedures can be found in the School of Education and Human Services portion of the catalog and by consulting advisers in the Department of Modern Languages and Literatures and the School of Education and Human Services advising office, 363 Pawley Hall, (248) 370-4182.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **Spanish Language and Literature Minor**

Requirements for the liberal arts minor in Spanish language and literature

A student planning a minor in the department must apply in the department office, 372 O'Dowd Hall, after consultation with an adviser in the Department of Modern Languages and Literatures. The requirement is a minimum of 20 credits at the 2000 level and above, including

SPN 3700 - Introduction to Spanish Literature (4)

SPN 3800 - Introduction to Spanish-American Literature (4)

#### Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### **Spanish Language and Literature, B.A.**

Requirements for the liberal arts major in Spanish language and literatures, B.A. program

1. A minimum of 36 credits at the 3000 and 4000 levels in language, culture, and literature, including

SPN 3140 - Spanish Grammar Review (4)

SPN 3170 - Intermediate Spanish Conversation and Composition (4)

SPN 3700 - Introduction to Spanish Literature (4)

SPN 3800 - Introduction to Spanish-American Literature (4)

SPN 4080 - Advanced Spanish Conversation and Composition (4)

Two 4000-level literature courses (8)  
 Two electives at the 3000-4000 level (8)

## 2. Two corequisite courses

SPN 3500 - Latin American Civilization (4) or SPN 3510 Spanish Civilization (4)  
 LIT 1810 - European Literature I (4) or LIT 1820 European Literature II (4)

One in history or civilization, selected from

SPN 3500 - Latin American Civilization (4)  
 SPN 3510 - Spanish Civilization (4)

plus one of the following

LIT 1810 - European Literature I (4)  
 LIT 1820 - European Literature II (4)

## Additional program information

Students planning graduate work are strongly urged to study a second foreign language recommended by the department. At least 16 credits of those required for the major in any of the languages must be taken at Oakland University.

## Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

## Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

## Spanish Minor

Requirements for the liberal arts minor in Spanish language

A minimum of 20 credits at the 2000 and above, including

SPN 3140 - Spanish Grammar Review (4)

SPN 3170 - Intermediate Spanish Conversation and Composition (4)

And one of the following courses

SPN 3500 - Latin American Civilization (4)

SPN 3510 - Spanish Civilization (4)

SPN 3550 - Translation: Spanish into English (4)

SPN 3580 - Spanish Language and Culture for Health Care Professionals and First Responders (4)

SPN 3931 - Advanced Spanish and Academic Service Learning (4)

SPN 4080 - Advanced Spanish Conversation and Composition (4)

SPN 4550 - Translation: English into Spanish (4)

SPN 4570 - Business Spanish (4)

Note

At least 12 credits of those required for the minor in any of the languages must be taken at Oakland University.

Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

### **Translation Certificate, Modern Languages**

Students qualify for a translation certificate by completing language courses numbered 3550, 4550 and 4800. A 4800 course does not apply toward the major.

### **Two Modern Languages, B.A.**

Requirements for the liberal arts major in two modern languages, B.A. program

The requirement is a minimum of 18 credits (20 credits in German and Spanish; 24 credits in Japanese) at the 3000 and 4000 levels in each of two languages. In French, German, Japanese, and Spanish, courses numbered 3140, 3170, 3180, 3550, 4080 and 4550 are required.

Three collateral courses are required: LIN 2201 and two courses in history or civilization, one in each language area, to be approved by the student's department adviser. LIT 1810 and LIT 1820 are



recommended. When one of the languages is Japanese, LIT 1000 with LIT 1810 or LIT 1820 are recommended. Students are strongly advised to complete a minor in a complementary field. Most traditional graduate programs in language and literature will require students in this major to fulfill additional prerequisites in literature. At least 16 credits of those required for the major in two modern languages must be taken at Oakland University.

#### Additional Information

In addition to these major requirements, students must complete the Oakland University General Education Requirements, the College of Arts and Sciences College Exploratory Requirement, and an appropriate number of free elective classes to meet the overall credit requirement for the degree (in most cases 124; some degrees may require a greater number).

As a general rule, no more than eight credits of course work used to satisfy one major, minor or concentration may be applied toward another, but exceptions to this rule may be allowed with the written approval of the program coordinators.

#### Regression Policy

Students will not receive credit for a lower sequence course after successful completion of a more advanced level course. For example, students will not receive credit for FRH 1140 (or transfer course equivalent) if taken after successful completion of FRH 1150.

#### Courses

##### ARB 1140 - Introduction to Arabic Language and Culture I (4)

A two semester sequence in the fundamentals of Arabic and Arabic culture. ARB 1140 must be taken first. ARB 1140 or ARB 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

##### ARB 1150 - Introduction to Arabic Language and Culture II (4)

A two semester sequence in the fundamentals of Arabic and Arabic culture. ARB 1140 must be taken first. ARB 1140 or ARB 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

##### ARB 2140 - Second Year Arabic I (4)

Two semester sequence continuing the work of ARB 1140 and ARB 1150 with the addition of cultural and literary readings. ARB 2140 must be taken first. ARB 2140 or ARB 2150 satisfy the university general education requirement in the foreign language and cultural knowledge exploration area or the knowledge applications integration area, not both. Prerequisite for knowledge applications integration: Completion of the university general education requirement in the foreign language and culture knowledge exploration area. Prerequisite(s): One year of college Arabic or equivalent.

**ARB 2150 - Second Year Arabic II (4)**

Two semester sequence continuing the work of ARB 1140 and ARB 1150 with the addition of cultural and literary readings. ARB 2140 must be taken first. ARB 2140 or ARB 2150 satisfy the university general education requirement in the foreign language and cultural knowledge exploration area or the knowledge applications integration area, not both. Prerequisite for knowledge applications integration: Completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): One year of college Arabic or equivalent.

**ARB 3160 - Arabic Conversation (2)**

Practice in speaking at the intermediate level. Format may include oral presentation and phonetics. Must be taken concurrently with ARB 3180.

Prerequisite(s): ARB 2150 or equivalent.

**ARB 3180 - Arabic Composition (2)**

Practice in written composition using formal literary Arabic. Techniques of textual analysis and exposition are introduced. Must be taken concurrently with ARB 3160.

Prerequisite(s): ARB 2150 or equivalent.

**ARB 3510 - Arabic Civilization (4)**

Survey of Arabic culture and civilization from topical, literary, and historic perspectives. Conducted in Arabic and English.

Prerequisite(s): ARB 2150

**ARB 3700 - Arabic Literature (4)**

Introduction to Arabic literature with a focus on influences, major trends, themes, and genres. Will provide a foundational knowledge of literature in the Arabic language. Conducted in Arabic and English.

Prerequisite(s): ARB 2150

**ARB 3920 - Directed Readings in Arabic (2 OR 4)**

Directed individual readings in Arabic. May be repeated for a total of 8 credits.

Prerequisite(s): permission of instructor.

**CHE 1140 - Introduction to Chinese Language and Culture I (4)**

A two-semester sequence in the fundamentals of modern Mandarin Chinese and Chinese culture. A beginning course. CHE 1140 must be taken first. CHE 1140 or CHE 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

**CHE 1150 - Introduction to Chinese Language and Culture II (4)**

A two-semester sequence in the fundamentals of modern Mandarin Chinese and Chinese culture. CHE 1140 must be taken first. CHE 1140 or CHE 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

**CHE 2140 - Second Year Chinese I (4)**

A two-semester sequence continuing the work of CHE 1140 and CHE 1150 with the addition of cultural and literary readings. CHE 2140 must be taken first. CHE 2140 or CHE 2150 satisfy the university general education requirement in the foreign language and cultural knowledge exploration area or the knowledge applications

integration area, not both. Prerequisite for knowledge applications integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Chinese or equivalent.

#### CHE 2150 - Second Year Chinese II (4)

A two-semester sequence continuing the work of CHE 1140 and CHE 1150 with the addition of cultural and literary readings. CHE 2140 must be taken first. CHE 2140 or CHE 2150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge applications integration area, not both. Prerequisite for knowledge applications integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Chinese or equivalent.

#### CHE 3140 - Chinese Grammar and Reading (4)

Review and survey of Chinese grammar and expressions through a variety of approaches, such as reading, translation and composition. Conducted in Chinese.

Prerequisite(s): CHE 2150 or equivalent.

#### CHE 3160 - Chinese Conversation (2)

Practice in speaking at intermediate level. Format may include oral presentation and phonetics. Must be taken concurrently with CHE 3180.

Prerequisite(s): CHE 2150 or equivalent.

#### CHE 3180 - Chinese Composition (2)

Practice in written composition. Techniques of textual analysis and exposition are introduced. Must be taken concurrently with CHE 3160.

Prerequisite(s): CHE 2150 or equivalent.

#### CHE 3510 - Chinese Civilization (4)

Survey of Chinese culture and civilization from topical, literary and historical perspectives. Conducted in Chinese and English.

Prerequisite(s): CHE 2150 or equivalent.

#### CHE 3550 - Translation: Chinese (4)

Translation from Chinese to English of a range of materials from commercial and technical to literary.

Prerequisite(s): CHE 2150 or equivalent.

#### CHE 3570 - Chinese Business Communication (4)

Introduction to the essential vocabulary and style specific to Chinese business as well as to China's business environment and the basic workings of its economy.

Prerequisite(s): CHE 2150 or equivalent.

#### CHE 3920 - Directed Readings in Chinese (2 OR 4)

Directed individual readings in Chinese. May be repeated.

Prerequisite(s): permission of instructor.

#### CHE 4080 - Advanced Chinese Conversation and Reading (4)

Development of advanced conversational and reading skills. Format will include oral presentations as well as literary and other readings.

Prerequisite(s): CHE 3160 or permission of instructor.

#### CHE 4550 - Advanced Translation from English to Chinese (4)

Translation from English to Chinese of a wide variety of texts on such subjects as literature, culture, business, technology, and international affairs.

Prerequisite(s): CHE 3180 and CHE 3550, or permission of instructor.

#### CHE 4570 - Advanced Business Chinese (4)

Chinese communication skills in business context and social and cultural knowledge of the Chinese business world in the context of globalization. Comprehensive discussion and analysis on topics such as real case studies of multinational or Chinese companies. Conducted in Chinese.

Prerequisite(s): CHE 3160 and CHE 3180 or equivalent; CHE 3570 recommended.

#### CHE 4800 - Independent Translation Project (4)

Directed annotated translation from Chinese into English of a major work or works in the student's field.

Prerequisite(s): CHE 3550 and permission of instructor.

#### FRH 1140 - Introduction to French Language and Culture I (4)

A two-semester sequence in the fundamentals of French and French culture. A beginning course. FRH 1140 must be taken first. FRH 1140 or FRH 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

#### FRH 1150 - Introduction to French Language and Culture II (4)

A two-semester sequence in the fundamentals of French and French culture. A beginning course. FRH 1140 must be taken first. FRH 1140 or FRH 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

#### FRH 1190 - Accelerated Review of Elementary French and French Culture (4)

One semester course designed to review the fundamentals of French and French culture. Designed for students who have three or more years of previous French experience. Covers the same materials as the two-semester sequence. FRH 1140 or FRH 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

#### FRH 2140 - Second Year French I (4)

Two-semester sequence continuing the work of FRH 1140 and FRH 1150 with the addition of cultural and literary readings. FRH 2140 must be taken first. FRH 2140 or FRH 2150 satisfy the university general education requirement in the foreign language and cultural knowledge exploration area or the knowledge application integration area, not both. Prerequisite for knowledge application integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college French or equivalent.

**FRH 2150 - Second Year French II (4)**

Two-semester sequence continuing the work of FRH 1140 and FRH 1150 with the addition of cultural and literary readings. FRH 2140 must be taken first. FRH 2140 or FRH 2150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge application integration area, not both. Prerequisite for knowledge application integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college French or equivalent.

**FRH 2160 - Basic French Conversation (2)**

Designed to develop the student's ability to organize and express ideas in French with a minimum of inhibition.

Prerequisite(s): FRH 1150

**FRH 3120 - French Phonetics and Listening Comprehension (2)**

Group and individual practice in the sound system of French, with special attention to listening comprehension problems. Both written and laboratory work required. Offered fall semester.

Prerequisite(s): FRH 2150

**FRH 3140 - French Grammar Review (4)**

Review of French grammar through a variety of approaches such as reading, translation and composition. Conducted in French.

Prerequisite(s): FRH 2150

**FRH 3160 - French Conversation (2)**

Practice in speaking at intermediate level. Format may include oral presentations and phonetics. Offered winter semester.

Prerequisite(s): FRH 2150

**FRH 3180 - French Composition (2)**

Practice in written composition. Techniques of textual analysis and exposition are introduced. Offered fall semester. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): FRH 2150, FRH 3140 highly recommended.

**FRH 3510 - French Civilization (4)**

An overview of contemporary life, education and socio-economic conditions in France. Conducted in French. Offered in fall semester.

Prerequisite(s): FRH 2150

**FRH 3550 - Translation into English (4)**

Translation from French to English of materials that may range from commercial and technical to literary. Offered winter semester.

Prerequisite(s): FRH 3140

FRH 3570 - French Business Communication (4)

Introduction to basic business communication skills, including essential reading, writing and speaking activities. Offered in alternate years.

Prerequisite(s): FRH 3140

FRH 3700 - Introduction to French and Francophone Cinema and Literature (4)

A study of French and francophone cinema and literature based on selected films and readings. Conducted in French. Offered fall semester.

Prerequisite(s): FRH 2150, FRH 3140 recommended.

FRH 3800 - Survey of French Literature (4)

A survey of French literature. Intended to supplement the work of FRH 3700. Conducted in French. Offered winter semester.

Prerequisite(s): FRH 2150 and FRH 3140 recommended.

FRH 3920 - Directed Readings in French (2 OR 4)

Directed individual readings in French. May be repeated.

Prerequisite(s): permission of instructor.

FRH 4080 - Advanced French Conversation (2)

Practice in speaking at an advanced level. Format may include oral presentations and readings.

Prerequisite(s): FRH 3160

FRH 4160 - French Literature from the Middle Ages through the Sixteenth Century (4)

A study of works in various genres of several periods. Works and authors may include epics, bawdy tales, courtly romances, Villon, Rabelais and Montaigne. Conducted in French. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): FRH 3140, FRH 3700 and FRH 3800

FRH 4170 - French Literature - Seventeenth and Eighteenth Centuries (4)

A study of works in various genres by leading French authors such as Pascal, Corneille, Racine, Moliere, La Fontaine, Montesquieu, Diderot, Rousseau and Voltaire. Conducted in French. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): FRH 3140, FRH 3700 and FRH 3800

FRH 4190 - French Literature - Nineteenth Century (4)

A study of works in various genres by leading French authors such as Stendhal, Balzac, Hugo, Nerval, Flaubert, Zola, Baudelaire and Mallarme. Conducted in French. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): FRH 3140, FRH 3700 and FRH 3800

FRH 4200 - French Literature - Twentieth Century (4)

Study of contemporary genres demonstrating different approaches to study of works in various genres by leading French and francophone authors from 1900 to the present. May include works by Gide, Proust, Sartre, Beauvoir, Duras, Ionesco, Valery, Conde, Djebbar, among others. Conducted in French. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): FRH 3140, FRH 3700 and FRH 3800

FRH 4550 - Translation into French (4)

Translation from English into French of a wide variety of materials that may range from commercial and technical to literary. Offered fall semester in alternate years.

Prerequisite(s): FRH 3140, FRH 3160, and FRH 3180

FRH 4800 - Independent Translation Project (4 TO 8)

Directed annotated translation from French into English of a major work in the student's field. May not be counted toward the major.

Prerequisite(s): FRH 3550 and FRH 4550 and permission of department.

FRH 4970 - Undergraduate Seminar (2 OR 4)

Study of individual authors, selected themes or critical problems. Conducted in French. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major.

Prerequisite(s): completion of the university writing foundation requirement. FRH 3140, FRH 3700 and FRH 3800

FRH 4995 - Independent Reading and Research (2 TO 8)

Directed individual research and reading for advanced French majors. May be repeated.

Prerequisite(s): two 4000 level French literature courses and permission of department.

GRM 1140 - Introduction to German Language and Culture I (4)

A two-semester sequence in the fundamentals of German and German culture. A beginning course. GRM 1140 must be taken first. GRM 1140 or GRM 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

GRM 1150 - Introduction to German Language and Culture II (4)

A two-semester sequence in the fundamentals of German and German culture. A beginning course. GRM 1140 must be taken first. GRM 1140 or GRM 1150 satisfy the university general education requirement in the foreign language and cultural knowledge exploration area.

GRM 2140 - Second Year German I (4)

A two-semester sequence continuing the work of GRM 1140 and GRM 1150 with the addition of cultural and literary readings. GRM 2140 must be taken first. GRM 2140 or GRM 2150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge application integration area, not both. Prerequisite for knowledge application integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college German or equivalent.

GRM 2150 - Second Year German II (4)

A two-semester sequence continuing the work of GRM 1140 and GRM 1150 with the addition of cultural and literary readings. GRM 2140 must be taken first. GRM 2140 or GRM 2150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge application integration area, not both. Prerequisite for knowledge applications integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college German or equivalent.

GRM 2920 - Directed Readings in German (2 OR 4)

A reading course for non-majors interested in research in a particular area. Approximately 50 hours of reading per credit; one conference weekly with the instructor.

Prerequisite(s): GRM 2150

GRM 3000 - Germany Exchange: Oldenburg I (4 TO 18)

Course work is taken at the University of Oldenburg in Germany and includes German Language study and additional appropriate course work with German as the language of instruction.

Prerequisite(s): permission of program coordinator.

GRM 3010 - Intermediate German (4)

Intermediate German

GRM 3140 - Adv GRM Grammar/Texts/Contexts (4)

Review and refinement of German grammatical and literary skills with an emphasis on the development of cultural understandings. Offered fall semester.

Prerequisite(s): GRM 2150 or equivalent.

GRM 3160 - German Conversation (2)



Provides a transition between the carefully structured activities of other intermediate courses and free manipulation of the spoken language. Must be taken concurrently with GRM 3180. Offered winter semester.

Prerequisite(s): GRM 3140 or equivalent.

#### GRM 3180 - German Composition (2)

Practice in written composition. Techniques of textual analysis and exposition are introduced. Must be taken concurrently with GRM 3160. Offered winter semester. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): GRM 3140 or equivalent.

#### GRM 3400 - German Culture I (4)

German culture of the twentieth century, with emphasis on the period since World War II and particularly the present. Conducted in German. Offered fall semester in alternate years.

Prerequisite(s): GRM 3140 or equivalent

#### GRM 3550 - Translation: German (4)

Translation from German to English of a range of materials from commercial and technical to literary, with an emphasis on idiomatic English. Offered fall semester.

Prerequisite(s): GRM 3160 and GRM 3180

#### GRM 3710 - Introduction to the Study of German Literature (4)

Introduction to literary genres and critical approaches, using selected works of German literature. Conducted in German.

Prerequisite(s): GRM 2150

#### GRM 3810 - Great Works in German Literature (4)

An historical survey. Conducted in German.

Prerequisite(s): GRM 2150

#### GRM 3920 - Directed Readings in German (2 OR 4)

Directed individual readings in German. May be repeated.

Prerequisite(s): permission of instructor.

#### GRM 3930 - Field Experience in Teaching German in Elementary and Middle Schools (2 OR 4)

Provides supervised experience in teaching German in elementary and middle schools. Graded S/U. May be repeated for credit once. Does not carry credit toward departmental major.

Prerequisite(s): GRM 3140 or equivalent.

#### GRM 4000 - Germany Exchange: Oldenburg II (4 TO 18)

Course work is taken at the University of Oldenburg in Germany and includes German language study and additional appropriate course work with German as the language of instruction.

Prerequisite(s): permission of program coordinator.

GRM 4080 - Advanced German Conversation (4)

Practice in speaking at the advanced level. Format may include oral presentations and readings.

Prerequisite(s): GRM 3160 or permission of instructor

GRM 4130 - German Literature from the Middle Ages through the Seventeenth Century (4)

A study of works in all genres by leading authors of the period including Walter von der Vogelweide, Wolfram von Eschenbach, Gottfried von Strassburg and Grimmelshausen. Conducted in German.

Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): GRM 3710 and GRM 3810

GRM 4180 - German Literature - Eighteenth Century (4)

A study of representative works of Lessing, Goethe and Schiller, which exemplify the intellectual and artistic currents of this period. Conducted in German. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): GRM 3710 and GRM 3810

GRM 4190 - German Literature - Nineteenth Century (4)

A study of works in all genres by leading authors of the period with emphasis on the lyric poetry of Romanticism, the dramas of Kleist, Grillparzer and Hebbel, and the novella of Poetic Realism. Conducted in German. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): GRM 3710 and GRM 3810

GRM 4200 - German Literature - Twentieth Century (4)

A study of works and movements in various genres from Naturalism to the present by authors such as Schnitzler, Toller, Brecht, Mann, Boll, Wolf, Celan and Kirsch. Conducted in German. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): GRM 3710 and GRM 3810

GRM 4400 - German Culture II (4)

Culture in history before 1900. The course covers the principal characteristics of culture and civilization generally regarded as important by German-speaking people themselves. Conducted in German. Offered winter semester in alternate years.

Prerequisite(s): GRM 3400 or reading ability at the fourth-year level.

GRM 4550 - Translation into German (4)

Translation from English into German of a wide variety of materials ranging from commercial and technical to literary. Individual students may emphasize areas of interest. Offered winter semester in

alternate years.

Prerequisite(s): GRM 3180 and GRM 3550

GRM 4570 - Business German (4)

Introduction to the essential vocabulary and style specific to German business as well as to the basic workings of the German economy. All language skills receive equal emphasis.

Prerequisite(s): GRM 3160 and GRM 3180

GRM 4800 - Independent Translation Project (4 TO 8)

Directed annotated translation from German into English of a major work in the student's field. May not be counted toward the major.

Prerequisite(s): GRM 3550 and GRM 4550 and permission of department.

GRM 4970 - Undergraduate Seminar (2 OR 4)

Study of individual authors, selected themes or critical problems. Conducted in German. Satisfies the university general education requirement for the capstone experience.

Prerequisite(s): GRM 3710 and GRM 3810

GRM 4995 - Independent Reading and Research (2 TO 8)

Directed individual research and reading for advanced German majors. May be repeated.

Prerequisite(s): two 4000 level German literature courses and permission of department.

HBR 1140 - Introduction to Hebrew Language and Culture I (4)

A two-semester sequence in the fundamentals of Hebrew and Israeli culture. A beginning course. HBR 1140 must be taken first. Satisfies the university general education requirement in the foreign language and culture knowledge exploration area.

HBR 1150 - Introduction to Hebrew Language and Culture II (4)

A two-semester sequence in the fundamentals of Hebrew and Israeli culture. HBR 1140 must be taken first. Satisfies the university general education requirement in the foreign language and culture knowledge exploration area.

HBR 2140 - Second Year Hebrew I (4)

A two-semester sequence continuing the work of HBR 1140 and HBR 1150 with the addition of cultural and literary readings. Conducted in Hebrew. Satisfies the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge applications integration area, not both. Prerequisite for knowledge applications: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Hebrew or equivalent.

HBR 2150 - Second Year Hebrew II (4)

A two-semester sequence continuing the work of HBR 1140 and HBR 1150 with the addition of cultural and literary readings. Conducted in Hebrew. HBR 2140 must be taken first. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Hebrew or equivalent.

IT 1140 - Introduction to Italian Language and Culture I (4)

A two-semester sequence of the fundamentals of Italian and Italian culture. A beginning course. IT 1140 must be taken first. IT 1140 or IT 1150 satisfy the university general education requirement in foreign language and culture knowledge exploration area.

IT 1150 - Introduction to Italian Language and Culture II (4)

A two-semester sequence of the fundamentals of Italian and Italian culture. A beginning course. IT 1140 must be taken first. IT 1140 or IT 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

IT 2140 - Second Year Italian I (4)

A two-semester sequence continuing the work of IT 1140 or IT 1150 with the addition of cultural and literary readings. IT 2140 must be taken first. IT 2140 satisfies the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge application integration area, not both. Prerequisite for knowledge applications integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Italian or equivalent.

IT 2150 - Second Year Italian II (4)

A two-semester sequence continuing the work of IT 1140 or IT 1150 with the addition of cultural and literary readings. IT 2140 must be taken first. IT 2140 or IT 2150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Italian or equivalent.

IT 3140 - Italian Grammar Review (4)

Review of Italian grammar through a variety of approaches, such as reading, translation, and composition. Conducted in Italian.

Prerequisite(s): IT 2150

IT 3160 - Italian Conversation and Composition (4)

Provides a transition between the carefully structured activities of other intermediate courses and free manipulation of spoken and written language. Conducted in Italian.

Prerequisite(s): IT 2150

**IT 3510 - Italian Civilization (4)**

Historical approach to Italian culture and civilization with emphasis on geography, politics, arts, and sociology. Conducted in English and Italian. No text required.

Prerequisite(s): IT 2150

**IT 3570 - Italian Business Communication (4)**

Introduction to business communication skills including essential reading, writing, and speaking activities. Conducted in Italian. No text required.

Prerequisite(s): IT 2150

**IT 3920 - Directed Readings in Italian (2 OR 4)**

Directed individual readings in Italian. May be repeated.

Prerequisite(s): permission of instructor.

**JPN 1140 - Introduction to Japanese Language and Culture I (4)**

A two-semester sequence in the fundamentals of Japanese and Japanese culture. A beginning course. JPN 1140 must be taken first. JPN 1140 or JPN 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

**JPN 1150 - Introduction to Japanese Language and Culture II (4)**

A two-semester sequence in the fundamentals of Japanese and Japanese culture. A beginning course. JPN 1140 must be taken first. JPN 1140 or JPN 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

**JPN 2130 - Practical Japanese: Kanji Characters and Japanese Vocabulary (4)**

Fundamental kanji and vocabulary useful for the Japanese Language Proficiency Test N3. Conducted both in Japanese and English.

Prerequisite(s): JPN 1150

**JPN 2140 - Second Year Japanese I (4)**

A two-semester sequence continuing the work of JPN 1140 and JPN 1150 with the addition of cultural and literary readings. JPN 2140 must be taken first. JPN 2140 or JPN 2150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge applications integration area, not both. Prerequisite for knowledge applications integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Japanese or equivalent.

**JPN 2150 - Second Year Japanese II (4)**

A two-semester sequence continuing the work of JPN 1140 and JPN 1150 with the addition of cultural and literary readings. JPN 2140 must be taken first. JPN 2140 or JPN 2150 satisfies the university general education requirement in the foreign language and culture knowledge exploration area or the

knowledge applications integration area, not both. Prerequisite for knowledge applications integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Japanese or equivalent.

JPN 3140 - Japanese Grammar and Reading (4)

Review of advanced Japanese grammar and expressions through such methods as translation, reading, and composition.

Prerequisite(s): JPN 2150 or equivalent

JPN 3150 - Japanese Texts and Contexts (4)

Refinement of Japanese grammatical, reading and conversational skills with an emphasis on the development of cultural understanding.

Prerequisite(s): JPN 3140

JPN 3160 - Japanese Conversation (4)

Develops skills in speaking at the intermediate level in formal and informal contexts, emphasizing important topics in Japanese culture and society.

Prerequisite(s): JPN 3150 or permission of instructor.

JPN 3180 - Japanese Composition (4)

Practice in written composition. Techniques of textual analysis and exposition are introduced. JPN 3140 strongly recommended. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): JPN 2150

JPN 3510 - Japanese Civilization (4)

Survey of Japanese culture and civilization from topical and historical perspectives. Diverse materials include newspaper articles, films and critical writings. Conducted both in English and Japanese.

Prerequisite(s): JPN 3550

JPN 3550 - Translation: Japanese (4)

Translation from Japanese to English of a range of materials from commercial and technical to literary.

Prerequisite(s): JPN 2150 or equivalent.

JPN 3700 - Introduction to Japanese Literature (4)

Critical approach to selected readings of classical and modern Japanese folklore, tales, fiction, poetry, and drama. Conducted both in English and Japanese. Offered in the fall semester.

Prerequisite(s): JPN 2150. JPN 3140 strongly recommended.

JPN 3920 - Directed Readings in Japanese (2 OR 4)

Directed individual readings in Japanese. May be repeated.

Prerequisite(s): permission of instructor.

JPN 4080 - Advanced Japanese Conversation and Reading (4)

Practice in speaking at an advanced level in recent historical, social, business and cultural topics featured in newspapers, internet articles, magazines, books, TV programs and films.

Prerequisite(s): JPN 3150 or permission of instructor.

JPN 4200 - Japanese Literature - Nineteenth and Twentieth Centuries (4)

Reading texts of various literary genres. Conducted in Japanese. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): JPN 3140, JPN 3550, and JPN 3700

JPN 4550 - Advanced Translation from English to Japanese (4)

Translation from English to Japanese of a wide variety of texts on such subjects as literature, culture, business, technology, and international affairs.

Prerequisite(s): JPN 3140, JPN 3160, JPN 3180, and JPN 3550

JPN 4570 - Business Japanese (4)

Introduction to the essential vocabulary and style specific to Japanese business as well as to the basic working of the Japanese economy. The course will broaden one's understanding of Japanese society through analysis of Japanese business practices. Conducted in Japanese.

Prerequisite(s): JPN 3160 and JPN 3180 or equivalent.

JPN 4800 - Independent Translation Project (4)

Directed annotated translation from Japanese into English of a major work or works in the student's field. May not be counted toward the major.

Prerequisite(s): JPN 3550 and JPN 4550 and permission of department.

LIT 1000 - Introduction to Asian Literature (4)

A survey of the four great Asian literary traditions: China, Japan, India and Middle East. Satisfies the university general education requirement in the literature knowledge exploration area.

LIT 1810 - European Literature I (4)

A study of the main literary currents as reflected in continental European masterpieces up to 1850. All works read in English translations. Satisfies the university general education requirement in the literature knowledge exploration area.

LIT 1820 - European Literature II (4)

A study of the main literary currents as reflected in continental European masterpieces from 1850 to the present. All works read in English translations. Satisfies the university general education requirement in the literature knowledge exploration area.

LIT 2900 - Chinese Cinema (4)

A study of Chinese film as a mirror of the cultures and aesthetics of various societies. Topics to be selected by the instructor. Satisfies the university general education requirement in the arts knowledge exploration area.

LIT 2905 - Studies in Foreign Film (4)

A study of film as a mirror of the cultures and aesthetics of various societies. Topics to be selected by the instructor.

LIT 2910 - Topics in Chinese Cinema (4)

A study of Chinese film as a mirror of the cultures and aesthetics of various societies. Topics to be selected by the instructor. Equivalent with LIT 2905. Satisfies the university general education requirement in the arts knowledge exploration area.

LIT 3905 - Topics in Foreign Literature (4)

A study of the main literary currents of a particular century or era of a major foreign literature. All works read in English translation. May not be used to satisfy requirements in the Department of Modern Languages and Literatures. May be repeated for credit with readings from a different foreign literature in English translation.

ML 1910 - Study Abroad - Tutorial in Foreign Language (3 TO 4)

Instruction in the elements of a spoken or written foreign language such as Bengali, Czech, Sanskrit, Catalan, etc. for which no regular course sequence exists at Oakland University. May be repeated for credit in a different language each time. Satisfies the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): permission of instructor.

ML 1912 - Study Abroad in Foreign Language (3 TO 4)

Instruction in the elements of a spoken or written foreign language such as Bengali, Czech, Sanskrit, Catalan, etc. for which no regular course sequence exists at Oakland University. May be repeated for credit in a different language each time. Satisfies the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): permission of instructor.

ML 2900 - Topics Related to Foreign Language Study (2 OR 4)

Topics explored in areas not normally a part of regular offerings in language or literature. May be repeated.

Prerequisite(s): permission of instructor.



ML 2905 - Intermediate Tutorial in Foreign Language (4)

Intermediate work in a language and literature not normally taught at Oakland University. May be repeated for credit.

Prerequisite(s): permission of instructor.

ML 2908 - Intermediate Tutorial in Foreign Language (4)

Intermediate work in a language and literature not normally taught at Oakland University. May be repeated for credit.

Prerequisite(s): permission of instructor.

ML 3900 - Advanced Study of Topics Related to Foreign Languages and Cultures (2 OR 4)

Topics are explored in areas not normally a part of regular offerings in language, culture or literature. May be repeated.

Prerequisite(s): permission of department.

ML 3905 - Advanced Tutorial in Foreign Language (4)

Advanced work in a language not normally taught at Oakland University. May be repeated for credit.

Prerequisite(s): permission of instructor.

ML 3908 - Advanced Tutorial in Foreign Language (4)

Advanced work in a language not normally taught at Oakland University. May be repeated for credit.

Prerequisite(s): permission of instructor.

ML 3939 - Field Experience in a Modern Language (4)

Field experience in an appropriate employment setting correlated with directed study assignments relating the experience to the knowledge and skills developed by the foreign language student. May not be repeated for credit.

Prerequisite(s): junior/senior standing. Minimum of 16 credits in the major including FRH 3140, or SPN 3140 and SPN 3170, or GRM 3160 and GRM 3180

ML 4400 - Interactive Technology: Computers in Foreign Language Teaching (4)

The course will develop competency in creating supplementary computer software for foreign language classes in the schools. It will include designing and field-testing interactive computer programs, proficiency-based units, and programs for "housekeeping chores". In addition, students will learn to evaluate commercial material.

Prerequisite(s): B.A. or B.S. or completion of EED 4240 or equivalent (methodology of teaching foreign languages) or permission of the instructor. Major or minor in a foreign language or English as a second language. Prior experience with computers highly recommended.

SPN 1140 - Introduction to Spanish Language and Culture I (4)

A two-semester sequence in the fundamentals of Spanish and Hispanic cultures. A beginning course.

SPN 1140 must be taken first. SPN 1140 or SPN 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

SPN 1150 - Introduction to Spanish Language and Culture II (4)

A two-semester sequence in the fundamentals of Spanish and Hispanic cultures. A beginning course. SPN 1140 must be taken first. SPN 1140 or SPN 1150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area.

SPN 1190 - Accelerated Review of Elementary Spanish and Spanish Culture (4)

One-semester course designed to review the fundamentals of Spanish and Spanish culture. Designed for students who have three or more years of previous Spanish experience. Covers the same materials as the two-semester sequence of SPN 1140 and SPN 1150. Satisfies the university general education requirement in the foreign language and culture knowledge exploration area.

SPN 2140 - Second Year Spanish I (4)

A two-semester sequence continuing the work of SPN 1140 and SPN 1150 with the addition of cultural and literary readings. Conducted in Spanish. SPN 2140 or SPN 2150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge application integration, not both. Prerequisite for knowledge application integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Spanish or equivalent.

SPN 2150 - Second Year Spanish II (4)

A two-semester sequence continuing the work of SPN 1140 and SPN 1150 with the addition of cultural and literary readings. Conducted in Spanish. SPN 2140 must be taken first. SPN 2140 or SPN 2150 satisfy the university general education requirement in the foreign language and culture knowledge exploration area or the knowledge application integration area, not both. Prerequisite for knowledge application integration: completion of the university general education requirement in the foreign language and culture knowledge exploration area.

Prerequisite(s): one year of college Spanish or equivalent.

SPN 2920 - Directed Readings in Spanish (2 OR 4)

A reading course for non-majors interested in research in a particular area. Approximately 50 hours of reading per credit; one conference weekly with the instructor.

Prerequisite(s): SPN 2150

SPN 3130 - Spanish Phonetics (2)

Group and individual practice in the sound system of Spanish, with specific reference to interference from English. Both written and laboratory work required. Conducted in Spanish.

Prerequisite(s): SPN 2150

SPN 3140 - Spanish Grammar Review (4)

Review of Spanish grammar and syntax through a variety of approaches. Conducted in Spanish.

Prerequisite(s): SPN 2150

SPN 3170 - Intermediate Spanish Conversation and Composition (4)

Intermediate level study in oral and written communication. Conducted in Spanish.

Prerequisite(s): SPN 2150; SPN 3140 highly recommended.

SPN 3500 - Latin American Civilization (4)

Historical approach to Latin American culture and civilization, with emphasis on geography, social structure, philosophical thought, music, art and popular culture. Conducted in Spanish.

Prerequisite(s): SPN 2150 and SPN 3140 highly recommended.

SPN 3510 - Spanish Civilization (4)

Historical approach to Spanish culture and civilization, with emphasis on geography, social structure, philosophical thought, music, art and architecture. Conducted in Spanish.

Prerequisite(s): SPN 2150. SPN 3140 highly recommended.

SPN 3550 - Translation: Spanish into English (4)

Translation from Spanish to English of a variety of materials that may range from commercial, technical to literary texts.

Prerequisite(s): SPN 3140

SPN 3580 - Spanish Language and Culture for Health Care Professionals and First Responders (4)

Prepares students to communicate effectively with Spanish-speaking individuals in health care settings, emergency and non-emergency situations. Designed to help students achieve an intermediate level of Spanish, places special emphasis on oral communication. Conducted in Spanish.

Prerequisite(s): SPN 2150

SPN 3600 - Introduction to Spanish Linguistics (4)

Introduction to Spanish linguistics from a theoretical and empirical point of view. Conducted in Spanish.

Prerequisite(s): SPN 3170

SPN 3700 - Introduction to Spanish Literature (4)

Study of literary genres and movements based on selected masterpieces of Spanish literature. Conducted in Spanish.

Prerequisite(s): SPN 2150 and SPN 3140 highly recommended.

SPN 3800 - Introduction to Spanish-American Literature (4)

Further study of literary genres and movements based on selected masterpieces of Spanish-American literature. Conducted in Spanish.

Prerequisite(s): SPN 2150. SPN 3140 highly recommended.

SPN 3920 - Directed Readings in Spanish (2 OR 4)

Directed individual readings in Spanish. May be repeated.

Prerequisite(s): permission of instructor.

SPN 3930 - Field Experience in Teaching Spanish in Elementary and Middle Schools (2 OR 4)

Provides supervised experience in teaching Spanish in elementary and middle schools. Graded S/U. May be repeated for credit once. Does not carry credit toward departmental major.

Prerequisite(s): SPN 2150

SPN 3931 - Advanced Spanish and Academic Service Learning (4)

Supervised academic service learning experience teaching Spanish in schools, organizations, and OU programs. Course requires community service. Students spend four hours per week in class; significant time spent volunteering in the community and reflecting on the volunteer experience. Conducted in Spanish.

Prerequisite(s): SPN 3140, SPN 3170 and permission of instructor.

SPN 4080 - Advanced Spanish Conversation and Composition (4)

Development of advanced writing and conversational skills with emphasis on appropriate vocabulary, style, grammar and syntax. Offered fall semester. Conducted in Spanish. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): SPN 3170

SPN 4150 - Medieval Literature of the Iberian Peninsula (4)

Socio-historic and literary analyses of the Mozarabic jarchas, several archetypes of the Iberian epic, Medieval ejempla, parables, drama and poetry. Conducted in Spanish.

Prerequisite(s): SPN 3700 and SPN 3800

SPN 4160 - Spanish Literature - Fifteenth and Sixteenth Centuries (4)

Following a brief introduction to medieval origins, a study of works in various genres by leading Spanish authors of the Renaissance period. Conducted in Spanish. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): SPN 3700 and SPN 3800

SPN 4170 - Spanish Literature - Seventeenth Century (4)

A study of works in various genres by leading Spanish authors of the Baroque period. Conducted in Spanish. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): SPN 3700 and SPN 3800

#### SPN 4180 - Cervantes (4)

Socio-historic literary analyses of Don Quijote de la Mancha and other representative works of Miguel de Cervantes. Conducted in Spanish. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): SPN 3700 and SPN 3800

#### SPN 4190 - Spanish Literature - Eighteenth and Nineteenth Centuries (4)

A study of works in various genres by leading Spanish authors beginning with Neoclassicism and including Naturalism. Conducted in Spanish. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): SPN 3700 and SPN 3800

#### SPN 4200 - Modern and Contemporary Spanish Literature (4)

A study of works in various genres by leading modern and contemporary Spanish authors from the Generation of '98 to the present. Conducted in Spanish. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): SPN 3700 and SPN 3800

#### SPN 4550 - Translation: English into Spanish (4)

Translation from English to Spanish using a variety of materials that may range from commercial, technical to literary texts. Offered winter semester.

Prerequisite(s): SPN 3140 and SPN 3170

#### SPN 4570 - Business Spanish (4)

Introduction to the essential vocabulary and style specific to Spanish business as well as to the basic workings of the Hispanic economy. All language skills receive equal emphasis. Course conducted in Spanish.

Prerequisite(s): SPN 3140 and SPN 3170

#### SPN 4800 - Independent Translation Project (4)

Directed annotated translation from Spanish into English of a major work or works in the student's field. May not be counted toward the major.

Prerequisite(s): SPN 3550 and permission of department.

SPN 4880 - Spanish-American Literature before 1888 (4)

A study of works in various genres by leading Spanish-American authors from the Colonial Period to Modernism. Conducted in Spanish. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): SPN 3700 and SPN 3800

SPN 4890 - Spanish-American Literature after 1888 (4)

A study of works in various genres by leading Spanish-American authors of modern and contemporary literature. Conducted in Spanish. Satisfies the university general education requirement for the capstone experience. Satisfies the university general education requirement for a writing intensive course in the major. Prerequisite for writing intensive: completion of the university writing foundation requirement.

Prerequisite(s): SPN 3700 and SPN 3800

SPN 4970 - Undergraduate Seminar (2 OR 4)

Study of individual authors, selected themes or critical problems. Conducted in Spanish.

Prerequisite(s): SPN 3700 and SPN 3800

SPN 4995 - Independent Reading and Research (2 TO 8)

Directed individual research and reading for advanced Spanish majors. May be repeated.

Prerequisite(s): two 4000 level Spanish literature courses and permission of department.