

# OTHER ACADEMIC OPTIONS

The minors, concentrations and programs offered in this section are interdisciplinary in nature and are attractive additions to many degree programs in the university. They are available to all students in the university. *As a general rule, no more than 8 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.* A student wishing to pursue any of these minors, concentrations and programs should consult with the coordinator listed with each program and should file a Concentration/ Minor Authorization Form where appropriate.

## Concentration in American Studies

**Coordinator:** *Kathleen Pfeiffer (English)*

**Committee:** *Gladys Cardiff (English), Sara Chapman (History), Daniel J. Clark (History), Todd A. Estes (History), Susan Hawkins (English), Edward Haworth Hoepfner (English), Jeffrey Insko (English), Karen A.J. Miller (History), Janice Schimmelman (Art History)*

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.

Concentration requirements include AMS 300 and 401, one course in anthropology, one American history course at the 300 level and three electives from the courses listed as electives in the current catalog. No more than two electives may be taken from any one department's offerings, and at least one must represent a field or fields outside the student's major. (Those majoring in anthropology or history should be aware that no more than 8 credits may be counted toward both the major and a concentration.) Students interested in pursuing this concentration should file a plan of study with the coordinator.

## Recommended departmental electives

|                               |  |
|-------------------------------|--|
| <b>Art and art history</b>    | AH 350, 352, 355   |
| <b>English</b>                | ENG 112, 224, 317, 318, 319, 320, 324, 341, 342  |
| <b>History</b>                | HST 114, 115, 292, 301, 305, 306, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 319, 322, 323, 360, 361, 362 |
| <b>Music</b>                  | MUS 200, 338   |
| <b>Political science</b>      | PS 100, 300, 301, 302, 305, 307, 312, 324, 326, 327, 340, 341, 342, 371  |
| <b>Sociology/anthropology</b> | SOC 100, 205, 315, 331, 373; AN 380, 381   |

Some 300- and 400-level topics courses offered by contributing departments may also be included in the concentration, with permission of the American studies coordinator.

## Course Offerings

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*.

### AMS 300            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. Prerequisite: Writing requirement (may be waived by the concentration coordinator in the case of foreign students). *Satisfies the university general education requirement for knowledge applications integration. Prerequisite for knowledge applications integration: completion of the university general education requirement in the Western civilization knowledge exploration area. Satisfies the university general education requirement in U.S. diversity.*

### AMS 401            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.

Prerequisite: AMS 300.

## Concentration in Archaeology

**Coordinator:** *Richard B. Stamps (Anthropology)*

**Committee:** *Suzanne M. Spencer-Wood (Anthropology), Susan E. Wood (Art History)*

The concentration in archaeology prepares students for graduate study in archaeology. It is also helpful for students interested in an interdisciplinary approach to human cultural development viewed from historical, aesthetic and scientific perspectives. A minimum of 28 credits is required for this program:

1. AH 100, AN 101 and 222;
2. one of the following - AH 310, 312, 314, 380; AN 282, 370, 371, 380, 384, 385, 392;
3. 8 credits in field methods (AN 383);
4. at least 4 elective credits. The following courses are recommended for those who wish to expand their background: AH 322, 326; HST 261, 306, 367.

Students are reminded that professional conservation work requires knowledge in botany and chemistry. Students wishing to enroll in the archaeology concentration should file a minor and concentration authorization form with the coordinator.

## Minors in Computer Science, Computing, and Information Technology

**Coordinator:** *Dae-kyoo Kim (Computer Science and Engineering)*

The School of Engineering and Computer Science offers the following three minors, which are available to students in the College of Arts and Sciences.

The *minor in computer science* is suitable for students with majors in mathematics, physics, chemistry or biology, who may wish to emphasize numerical, scientific and engineering aspects of computing.

The *minors in computing and information technology* are suitable for students with majors in English, history, modern languages, philosophy, psychology, sociology or anthropology, who may wish to take

courses that emphasize non-numerical and symbolic data processing aspects of computing and information technology.

With a major in economics, a student may wish to take courses oriented toward application of computers in management data processing.

For specific requirements for each of these minors, see the Department of Computer Science and Engineering section of this catalog.

## Concentration in Criminal Justice

**Coordinator:** *Albert J. Meehan, (Sociology)*

The concentration in criminal justice requires at least 28 credits and is to be taken in conjunction with a full major in any department of the college. It provides career-oriented education for students interested in law, in the social forces producing delinquency and crime, in the evaluation of social planning for crime prevention and control, and in the operation of police organizations and correctional institutions. Graduates of the concentration work in all areas of the criminal justice and treatment systems as well as continue on to law school, masters, programs in social work, counseling or criminal justice, or Ph.D. programs in their respective major fields. On occasion, courses related to criminal justice may be offered as special topics courses or seminars by participating departments. These courses will be identified by the concentration director and will count for concentration credit. Appropriate transfer courses also may be accepted for credit when they meet university equivalency requirements. Students should consult with the concentration director to determine how these courses may fulfill credit requirements and to formalize their program of study in the concentration.

A student must be formally admitted to the program by meeting with the concentration director and must fulfill the following requirements:

1. SOC 240, The Sociology of Crime and Punishment.
2. Five courses from the following with a minimum of two from different disciplines: PHL 319, 321; PS 241, 340, 341, 342; PSY 322, 312, 343; SOC 300, SOC/AN 320, SOC 323, 325, 327, 420, 425, 437.
3. Four credits of SOC 430 Internship in Criminal Justice.

SOC 430 Internship in Criminal Justice is designed to give students practical experience in the criminal justice or legal system. The student's particular interests guide the internship selection process. An internship usually involves work in an agency and meeting with the internship adviser on a regular basis. Students who qualify may receive paid internships. A term paper integrating existing research literature with some aspect of the internship experience is required in order to receive course credit. The internship is a valuable learning experience and should be taken toward the end of the concentration.

## Concentration in Environmental Studies

**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 ENV 308, plus 16 credits of work at the 300 level or above selected from at least three rubrics. Advanced courses in many departments may be suitable for the concentration. In addition to ENV courses, these include, but are not limited, to AN 410; BIO 301, 303, 311, 373; CHM 410, 412, 413; PS 350, 353 and 354. At least 16 credits must be in non-duplicative course

work 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 the Environmental Science Program section of the catalog for ENV course offerings.

## Concentration in Film Aesthetics and History

**Coordinators:** *Kyle Edwards (English) and Andrea Eis (Art History)*

**Committee:** *Peter J. Bertocci (Anthropology), Ingrid Rieger (German), Joshua Yumibe (English)*

The interdisciplinary concentration in film aesthetics and history, sponsored by the departments of Art and Art History, English, Modern Languages and Literatures, Communication and Journalism, and Sociology/Anthropology, and Center for International Programs, offers multiple perspectives for examining theoretical and critical issues of film as art and communication. The introductory courses explore the operation, function and construction of film. The history courses examine narrative and technical developments with emphasis on major directors, genres and trends. The theoretical courses are concerned with the uniqueness of film, its relation to other forms of verbal and plastic arts, and special approaches needed for analysis and enjoyment.

The range of viewing experiences and the variety of approaches to the medium provide an excellent preparation for students seeking employment in advertising, publishing, journalism, visual media or teaching, as well as those who wish to pursue film studies on the graduate level.

A minimum of 28 credits is required, including:

1. three courses chosen from CIN 150, ENG 250, LIT 251 and AH 367;
2. ENG 392;
3. two courses chosen from CIN 300, 301, 302, 303;
4. one course chosen from AN 307, CIN 350, 450; COM 303; COM/SOC 371; ENG 309; MUS 334; and SA 268, 368.

In special circumstances, CIN 450 or 499 may be substituted for one of the courses listed above, with permission of the concentration coordinator.

## Course Offerings

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*.

### **CIN 150 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 300 History of Film: The Silent Era (4)**

Survey of directors and films important in shaping film history: Griffith, Eisenstein, Chaplin, Murnau, Pabst, Lang and others.

### **CIN 301 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.

**CIN 302 History of Film: The New Wave and Beyond (4)**

Study of film from 1959 to the late 1980s including directors such as Godard, Truffaut, Akerman, Fassbinder, Herzog, Wertmuller, Bergman, Altman, Kubrick and Scorsese.

**CIN 303 History of Film: Into the 21st Century (4)**

Study of developments in film since the 1980s including topics such as Hollywood cinema, independent film-making, experimental films, feminist cinema, national cinema, and new technologies such as digital imaging.

**CIN 350 Topics in Film (4)**

Examination of specialized subjects in film such as: The War Film, Alfred Hitchcock's Films, The New Wave, The Japanese Cinema, Censorship.

**CIN 450 Advanced Topics in Film (4)**

Topics to be selected by instructor.  
Prerequisite: a course in film or permission of instructor.

**CIN 499 Independent Study (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: one course in film.

## Concentration in French Studies

**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. 8 credits of French language taken at Oakland University. Students must achieve minimally at the 215 level. Students who place into FRH 215 will take 215 and 314; if they place higher than 215, they will take 314 plus 4 credits in a higher level course.
2. 8 credits from the following courses: LIT 181, 182, 251 or ML 390 or LIT 375 when available (all conducted in English).
3. 8 credits from the following history courses: HST 329, 345, 347, 348 and 349\*. Other topic courses in history may be substituted with permission of the concentration coordinator.
4. 4 credits in Art and Art History: AH 326, 360 or 361. Other topic courses in art history may be substituted with permission of the concentration coordinator.

\*Students must take either HST 101 or 102 as a co-requisite for the concentration (either of which satisfies the general education requirement).

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.

## Pre-medical Studies Concentration: Medicine, Dentistry, Optometry and Veterinary Medicine

**Coordinator:** *Keith A. Berven (Biological Sciences)*

**Committee:** *Andrew F.X. Goldberg (Eye Research Institute), Kathleen H. Moore (Chemistry), John R. Reddan (Biological Sciences)*

The pre-medical studies concentration is intended for students who wish to pursue careers in medicine, dentistry, optometry or veterinary medicine. Students are expected to complete a concentration consisting of the following:

1. At least 24-25 credits of biology, including some laboratories and the required introductory biology sequence (BIO 111, 113, 116), and at least three of the following -
  - Cell biology:** BIO 309, 310
  - Genetics:** BIO 341, 342
  - Physiology:** BIO 207 or 321 and 322
  - Biochemistry:** BIO 325, 326, 425 or CHM 453, 457, 458
  - Developmental biology:** BIO 323, 324
  - Microbiology:** BIO 319, 320;
2. 20 credits of chemistry: CHM 157, 158, 234, 235, 237;
3. 10 credits of physics: PHY 101-102 or 151-152 and PHY 158;
4. 8 credits of mathematics: MTH 141 plus one of MTH 122, 154, STA 225, 226. Note: pre-optometry concentration students must take 12 credits of mathematics including one statistics course (STA 225 or 226).

The pre-medical studies concentration provides the minimum requirements for admission to various medical, osteopathic, dental, optometry and veterinary schools, and provides the necessary background for the science portion of the standardized aptitude tests: medical (MCAT), dental (DAT), optometry (OAT) and veterinary (VCAT or GRE). The committee strongly recommends WRT 142 or 144 for better preparation for the non-science portions of the standardized tests.

This concentration does not constitute a major. Students must elect a major from those offered by the university. Interested students should consult with Keith Berven, pre-medical studies concentration coordinator, for counseling and assistance in planning their academic programs.

## Religious Studies

**Director:** *Charles Mabee*

**Committee:** *Elysa White (Philosophy), Achmat Salie*

### Concentration in Religious Studies

This concentration offers a structured program of study that explores and examines the human religious experience, both in terms of its fundamental ideas as well as pervasive practice. While a number of methods and disciplines common to the liberal arts tradition are employed throughout the various courses offered, particular focus typically is given to the historical, literary, and cultural dimensions of religious expression. This concentration may not be taken conjointly with one of the minors listed below. However, it may be taken conjointly as part of a modified major (24 credits) in philosophy or with a full major in any other department of the College of Arts and Sciences. Students wishing to make religion the focus of an *independent major* should contact the program director for further information. A minimum of 28 credits is required for the concentration in religious studies, distributed as follows:

1. Either REL 100 or REL 150;
2. Core studies - *Two* of the following (8 credits) from REL 201, 301, 303, 355;
3. Field related studies - *Four* courses in at least *three* of the following five fields (16 credits):  
 Art: AH 104, 310, 322, 326;  
 History: HST 303, 324, 325, 327, 357; REL 300;  
 Literature: ENG 312, ENG 305/REL 311, REL 302;  
 Philosophy: PHL 352; PHL/REL 325, PHL/REL 350;  
 Social Science: PSY 445 (*only when special topic is religion*), AN/REL 271, SOC/ REL 305;

### Religious studies minors

The need for increased understanding of religious influences in the modern world has perhaps never been more apparent than at the present time. Judaism, Islam and Christianity in particular – with their intertwined historical, theological, cultural and ethnic components – are integrally connected to the most urgent global political issues of the contemporary world. The purpose of the minor in religious studies is to provide students with a coherent and nuanced framework for achieving greater insights into the scope and complexity of these issues.

### Minor in Islamic studies

The liberal arts minor in Islamic studies requires a minimum of 20 credits as described below. At least 8 credits must be taken in religious studies courses at Oakland.

1. Either REL 100 or REL 150.
2. REL 101.
3. Either REL 314 or any REL 300 special topics course in Islamic studies.
4. One of the following field related courses: AH 104, HST 356, 357, IS 270.
5. One of the following applications: ARB 114 or higher, or REL 450 or approved study abroad in a Middle Eastern country.

### Minor in Judaic studies

The liberal arts minor in Judaic studies requires a minimum of 20 credits as described below. At least 8 credits must be taken in religious studies courses at Oakland.

1. Either REL 100 or REL 150.
2. REL 102.
3. One of the following core studies: REL 315, 316 or any REL 200 special topics course in Judaic studies.
4. Either ENG 305/REL 311 or HST 357.
5. One of the following applications: Hebrew language or REL 450 or approved study abroad in Israel.

### Minor in Christianity studies

The liberal arts minor in Christianity studies requires a minimum of 20 credits as described below. At least 8 credits must be taken in religious studies courses at Oakland.

1. Either REL 100 or REL 150.
2. 12 credits selected from among: ENG 305/REL 311 (The Bible as Literature), AH 322 (Early Medieval, Byzantine and Romanesque Art), AH 326 (Gothic Arts), HST 326 (Europe, 300-1100), HST 327 (The Reformation), HST 328 (Medieval Europe, 1100-1500), PHL 205 (Medieval Philosophy), and appropriate special topics courses in Christianity studies offered under REL 300.
3. 4 credits from one of the following applications: REL 450 or an approved directed reading course (REL 490) in Christianity studies.

*Note that special topics courses offered in other areas (English, history, philosophy, political science, anthropology, art history) may be applied towards the minor when the topic is on an aspect of religious studies appropriate to the minor.*

## Course Offerings

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*.

### **REL 100 Introduction to Religion (4)**

Critical, comparative study of both Western and Eastern religious traditions with emphasis on historical developments. Features methodological approaches taken by a variety of disciplines in studying religion. Includes guest presentations by representatives of these different approaches.

### **REL 101 Introduction to Islam (4)**

Pre-Islamic Arabia, Muhammad and early Islamic history; the Qur'an and basic beliefs, practices and law; the Islamic Caliphate; Islam in the modern world and Muslims in America; women in Islam and other contemporary issues. *Satisfies the university general education requirement in the global perspective knowledge exploration area.*

### **REL 102 Introduction to Judaism (4)**

Religious beliefs, practices and philosophies embedded within the major historical experiences (Biblical and Diasporic) of Jewish people including main institutional branches of Judaism, central characteristics of Jewish culture, and their relationship with non-Jewish groups and societies. *Satisfies the university general education requirement in the global perspective knowledge exploration area.*

### **REL 150 World Religious Traditions (4)**

Examines the core teachings and practices of the world's major religious traditions, including Judaism, Christianity, Islam, Hinduism, Buddhism and Chinese religions. Emphasis is on terminology developed within each tradition, identification of human problems that each attempts to solve, and the insights and problematic issues that arise from these attempts. *Satisfies the university general education requirement in the global perspective knowledge exploration area.*

### **REL 201 Introduction to Sacred Texts (4)**

Explores the various roles played by sacred texts within both Western and Eastern religious traditions. Core texts from these traditions are analyzed and compared, revealing the basic approaches to religious life contained in each.

### **REL 271 Magic, Witchcraft and Religion (4)**

Identical with AN 271.

### **REL 300 Special Topics in Religious Studies (4)**

Topics in the history, literature, culture and philosophy of different religious traditions. May be repeated for additional credit.

### **REL 301 Religion in the Modern World (4)**

Focuses on the problem of religious life in the context of modern critical thought and an increasingly pluralistic and secular world dominated by a scientific perspective. Includes examination of the rise of new religions and the struggle of religious systems to establish/maintain social legitimacy. *Satisfies the university general education requirement for knowledge application integration area. Prerequisite for knowledge application: completion of the general education requirement in the social science knowledge exploration area or in the global perspective knowledge exploration area.*

**REL 302 Religion and Literature (4)**

Study of world religious literature. May include Greek tragedy, Hindu epics, Dante and Milton. Will treat both use of religious themes in literature and about literature as an expression of religious belief.

**REL 303 American Religious Experience (4)**

Study of a variety of religious traditions (e.g., Buddhist, Catholic, Hindu, Islamic, Native American, Protestant) as these are understood and lived by followers within the modern pluralistic society of North America.

**REL 305 The Sociology of Religion (4)**

Identical with SOC 305.

Prerequisite: SOC 100 or 205.

**REL 311 The Bible as Literature (4)**

Identical with ENG 305. *Satisfies the university general education requirement in the literature knowledge exploration area.*

Prerequisite: WRT 160 with a grade of 2.0 or higher and junior standing.

**REL 312 Early Christianity (4)**

Exploration of historical, social, biblical literature tracing the rise of Christianity from a sect of Judaism to the dominant religion in the Roman empire during the 5<sup>th</sup> century CE, utilizing social science, ancient documents, hero stories, community documents and church scholars.

**REL 314 Islamic Ethics (4)**

Major principles and theories of Islamic ethics. Application of these ideas to issues of deforestation, global warming, sustainability, women's rights, abortion and cloning. Comparisons with other philosophical and religious theories.

**REL 315 Jews in America (4)**

History of Jews as an American minority group, a dissenting non-Christian religious group, an immigrant and ethnic group, and a cultural group. Emphasis on themes of assimilation and conflict, as well as contributions to American society.

**REL 316 Holocaust (4)**

Examines events and contributing factors culminating in the Holocaust. Specific topics include history of anti-Semitism in Europe, rise of Nazism in Germany, Nazi Jewish policies, Jewish life under Nazism, design and execution of the death camps, world response, and the meaning of the Holocaust.

**REL 325 Philosophy of Religion (4)**

Identical with PHL 325.

Prerequisite: WRT 160 with a grade of 2.0.

**REL 350 Philosophies and Religions of Asia (4)**

Identical with PHL 350.

Prerequisite: WRT 160 with a grade of 2.0.

**REL 355 Science and Religion (4)**

Presentation and exploration of scientific and religious models of understanding, including the impact of scientific theories on religion. Contrasting perspectives of science and religion on controversial topics such as the beginning of the universe, evolution and cloning will be reviewed.

**REL 450 Religious Community Project Internship (4)**

Field placement in an approved religious community project. Field notes, regular consultation with the program director, and an analytical paper of the experience are part of the requirements.

Prerequisite: minor or concentration in religious studies and permission of program director.

**REL 490 Directed Readings in the Religious Studies (4)**

Individual study of topic(s) not covered in available courses. May be repeated for additional credit.

Prerequisite: REL 100, REL 201 and permission of concentration coordinator.

## Concentration in Urban Studies

**Committee:** *De Witt S. Dykes (History), Oded Izraeli (Economics)*

The urban studies concentration is designed to provide a comprehensive interdisciplinary understanding of modern urban civilization and to develop an appreciation of some of the problems and policy issues confronting contemporary American urban communities. It is also designed to introduce some of the technical skills that are a prerequisite to the successful pursuit of career opportunities in a variety of urban-oriented public and private service or administrative organizations.

The concentration provides a carefully selected group of required core courses drawn from several departments, allows a relatively broad choice of electives and provides an interdisciplinary seminar designed to help integrate the knowledge and skills acquired in the program.

Students wishing to pursue the concentration in urban studies must submit an advising plan to the concentration adviser and make application to the concentration coordinator to be admitted to the program. One course in statistics and/or methodology offered by a social science department or a statistics course offered by the Department of Mathematical Sciences is a prerequisite to the program. To earn the urban studies concentration, students must complete a minimum of 28 credits, distributed as follows:

1. Core — three of the following four courses: ECN 309, HST 301, PS 305, SOC 345.
2. Electives — four of the following courses (none of the courses may overlap with courses in the student's major and no more than two courses may be taken in a single department): AH 363; HRD 364; HST 302; PS 307, 350, 353; SOC 315, 331.
3. Internship — although an urban internship or field experience is not required as part of the concentration, it is strongly suggested that students complete such a course in their major department or another program in the university.

## Pre-law Studies

Students planning to attend law school after graduation must select a major in addition to the pre-professional studies designation, pre-law studies. Students should choose a major in which they have both interest and aptitude; the particular major is less important for admission to law school than the overall success in courses chosen. Success is generally measured by the cumulative grade point average and the score on the Law School Admission Test (LSAT).

Rather than mastery of any particular subject matter, law schools require that incoming students possess certain basic skills. These skills include critical reasoning and the ability to write and speak in a coherent and precise manner. Students are advised to select rigorous course work aimed at developing strong reading, writing and reasoning skills; and to plan undergraduate course work with an eye toward long-term plans within the legal profession. Because there is no set of specific courses necessary for admission to, or success in, American law schools, there is no formal pre-law curriculum at Oakland University. Students are directed to consider courses in three categories as described below and to choose courses that they believe will help them to develop skills or acquire knowledge that may be beneficial during or after law school. None of these courses are required or necessarily recommended for all pre-law students.

1. The development of fundamental abilities of reasoning and written communication. Although most introductory courses in all of the liberal arts disciplines serve this purpose, particularly relevant courses are: LIN/COM 207; ENG 380; PHL 102 and 103; WRT 380.
2. Oral communication. The following courses are recommended: COM 201, 220, 301, 318 and THA 105.
3. The law in relationship to other disciplines. Suggested courses are: ECN 378; ENV 461; JRN 403; MGT 350; PHL 316, 318, 319; PS 241, 340, 341, 342; SOC/AN 320; and SOC 437.

Students are cautioned against overemphasizing law-related courses in their undergraduate training. Law schools virtually never give credit for these courses, either for placement or graduation, and are inclined to believe an education featuring these courses to be too narrow in scope. Undergraduate education is a distinct and vital part of one's professional training and should never be regarded simply as a way station before beginning one's "real" work. It must be emphasized that none of the courses listed here are required of, or restricted to, pre-law students.

Students interested in a career in law should meet with an academic adviser to discuss course selection and admission procedures. Advising is available through either the College of Arts and Sciences Advising Office or Martha T. Zingo in the Department of Political Science.

## Pre-medical Studies

Students who plan to attend medical school upon graduation and who entered the college in the pre-medical studies curriculum must select a major in addition to this pre-medical studies designation. Students planning a career in the medical professions (medicine, dentistry, optometry and veterinary medicine) will find that a major in biology, biochemistry or chemistry, combined with the concentration in pre-medical studies, provides excellent preparation for admission to the various medical schools in Michigan and elsewhere.

Students should consult with Keith Berven, pre-medical studies concentration coordinator, or any of the faculty listed with the concentration, and with an adviser in the College of Arts and Sciences Advising Office for assistance in planning their programs.

## Liberal Arts Minor in Science

**Coordinator:** *Kathleen H. Moore (College of Arts and Sciences)*

The liberal arts minor in science requires at least 27 credits for the two-science minor, or 29 credits for the three-science minor, selected from courses in biological sciences, chemistry and physics.

Students who elect a single discipline minor in either biology, chemistry or physics are not eligible for the science minor, nor are students who are majoring in biochemistry, biology, chemistry, computer science, engineering, environmental science, industrial health and safety, medical physics, medical technology, nursing, physical therapy or physics.

## Two-science minor

1. Complete at least two of the following course sequences: BIO 111, 113 and 116; CHM 157, 158 (or 167, 168); or PHY 101, 102 (or 151, 152) and 158.
2. Complete at least 8 additional credits from either one science or split between the two sciences. Biology and chemistry courses numbered lower than BIO 111 and CHM 157, respectively, do not apply to the science minor, nor do CHM 201, 300 and BIO 300.

## Three-science minor

Complete the following: BIO 111, 113 and 116; CHM 157, 158 (or 167, 168); and PHY 101, 102 (or 151, 152) and 158.

## Geography Course Offerings

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 106                      Earth Science/Physical Geography (4)**

Identical with PHY 106. *Satisfies the university general education requirement in the natural science and technology knowledge exploration area.*

**GEO 200                      Global Human Systems (4)**

Identical with AN 200 and IS 200. *Satisfies the university general education requirement in the global perspective knowledge exploration area.*

**GEO 350                      World Regional Geography (4)**

Identical with AN 350 and IS 350.

Prerequisite: AN 200 or IS 200 or GEO 200.